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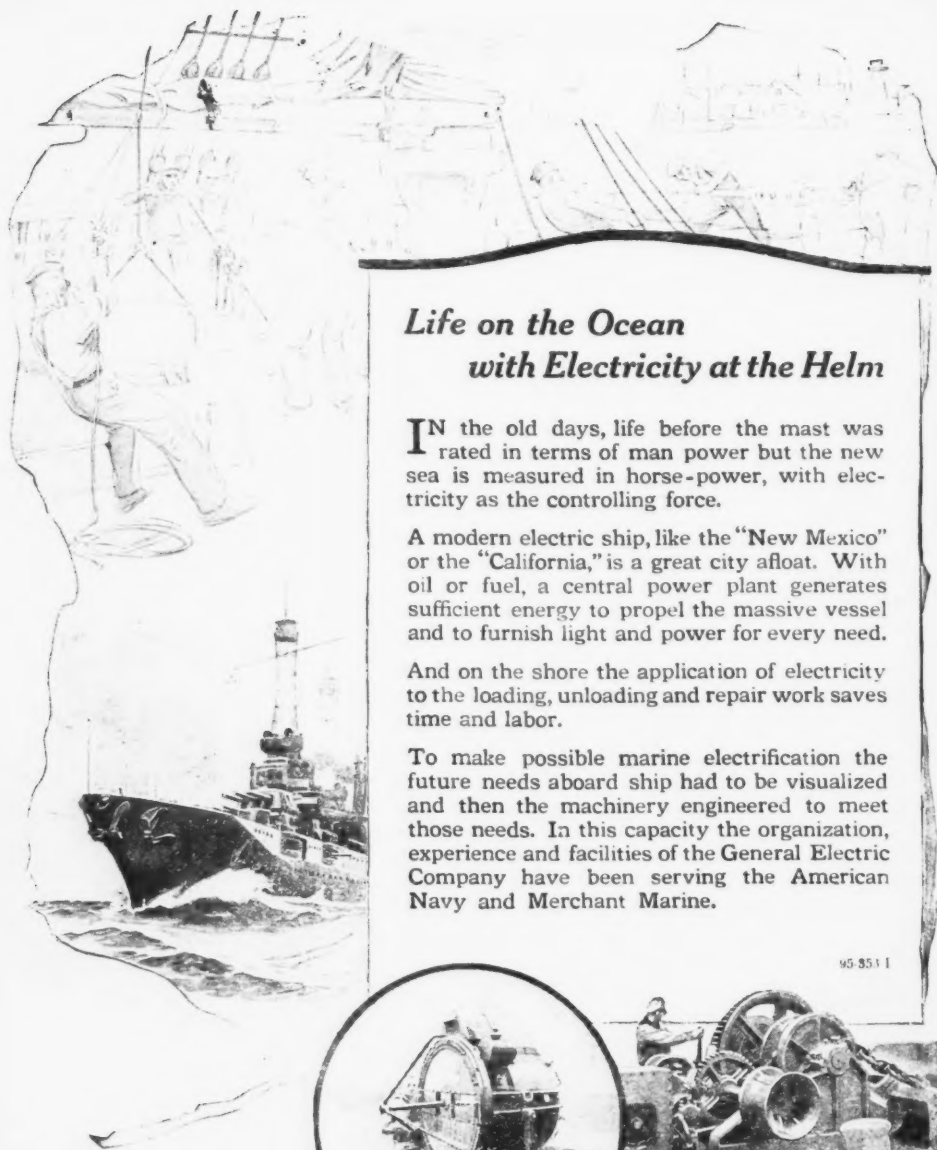
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Life on the Ocean with Electricity at the Helm

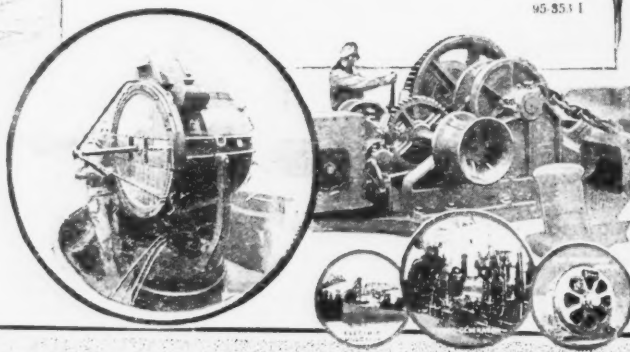
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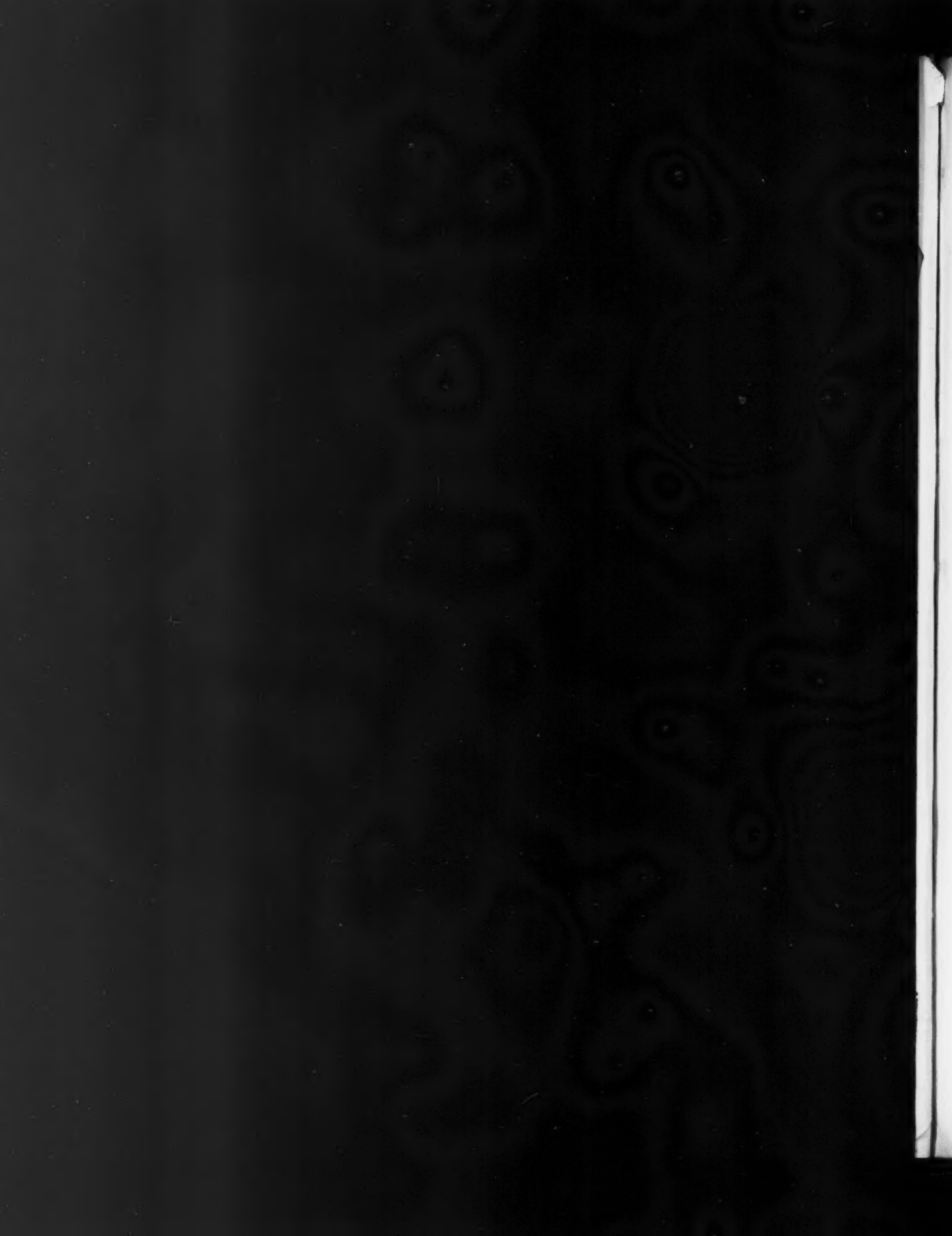
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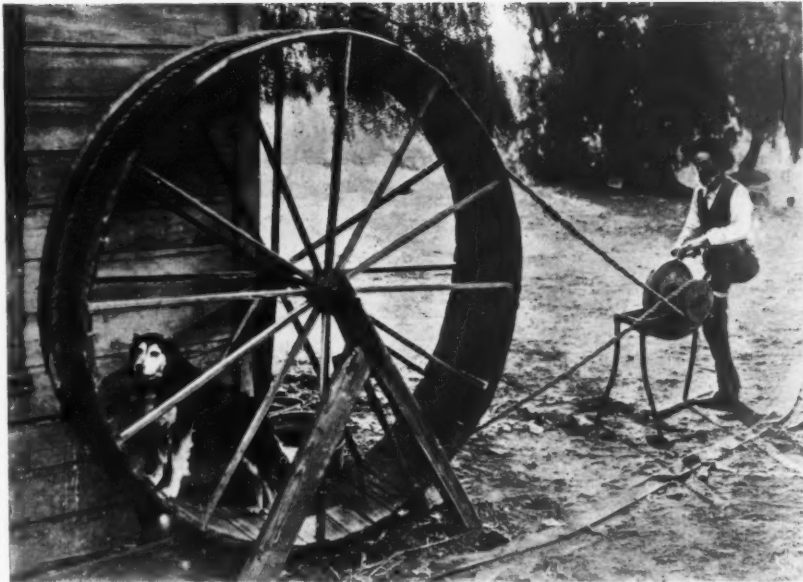
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Morrill Hall

Ithaca, N. Y.



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A Day of Indian Summer

The Cornell Countryman

A Journal of Country Life - Plant, Animal, Human

VOLUME XVIII

ITHACA, N. Y., NOVEMBER, 1920

Number 2

The Kermis Plays

BY BRISTOW ADAMS

Professor of Extension and Editor of Publications in the College of Agriculture

FOR STUDENTS just entering Cornell, and for those who left her walls some time ago, the history of the development of the Kermis plays shows how members of the College of Agriculture can grasp and solve problems, and how students and faculty of the College can work and play together in perfect amity and understanding.

Next Farmers' Week should be marked by the presentation of the fourth annual Kermis play in Bailey Hall.

This does not mean that student performances were no part of Farmers' Week in the three years preceding 1918; but only during the past three years have original plays been written and carefully presented by the students. Before then the Kermis was frankly a heterogeneous vaudeville performance, with acts that were good, bad, and indifferent. Various departmental clubs developed "stunts"; some of them were carefully planned and rehearsed, others were last-minute helter-skelter presentations, lacking even farcical qualities. These acts were originally undertaken to offer amusement to Farmers' Week visitors, to give the students a chance to play together, and to replenish the student association funds for the support of athletics, dramatics, and other agricultural college community efforts.

This last object has never been unduly obtruded; admission prices have never been more than nominal.

But some of the vaudeville acts became so poor in conception and execution that they failed to elicit favorable applause, and a serious-minded faculty most properly voted "thumbs down" on future productions.

Many of the Kermis features, even among the poorest, had points of excellence, however. Amid all the confusion and cheap burlesque of a country circus of half-a-dozen years ago, the tumbling of Harry Knight as an acrobatic clown was exceedingly good. The playlets given by the Cornell Foresters had some merits, even though they could have been scarcely understandable to the majority of the Farmers' Week audiences, unfamiliar with the forest rangers of far western mountains. The songs and camp-fire scenes were always good. Some of the dietetic dramatics by the home economic girls had high spots of amusement, and the pure food show that borrowed freely from "Hamlet", "As You Like It", and various fairy tales deserves to be remembered for its spirited acting and for the charming songs of Bertha Yerke, whose voice is now forever stilled.

But in spite of bright spots, it must

be candidly admitted that the Kermis vaudevilles degenerated successively, until, on motion duly made and seconded by the faculty, the Kermis was voted out of existence. This happened shortly after one of the performances, on which many adverse comments had been made, and while its bad taste still lingered.

Before sentence of death was passed, however, certain members of the faculty seeing the possibilities of real dramatics in Kermis, gained a reconsideration of the adverse vote, pledged themselves to work out a plan that would still fulfill the primary purposes of Kermis, and give to the Farmers' Week visitors something they could whole-heartedly enjoy, and to the College a performance of which it need not feel ashamed.

The steps toward this end were evolutionary rather than revolutionary, and it is not necessary to go into all the details. It may suffice to say that after these details had been cleared away several members of the faculty, in conjunction with the students, worked out the present Kermis plan. These men included the writer of this note, Professor D. J. Crosby, Professor G. A. Everett, and Professor J. E. Rice. It was Professor Rice who obtained from an unnamed donor the first prize of twenty-five dollars to be awarded for an original manuscript. This prize has since been increased to fifty dollars, paid annually from the proceeds of the performance.

The competition and its conditions were first announced in 1917. That year, for presentation in February, 1918, the successful play was "They Who Till." It was written by Russell Lord, who at the time the award was made, and when the play was presented, was in an artillery training camp at Anniston, Alabama, before he went overseas as a sergeant in Battery F, 110th Field Artillery.

"They Who Till" was a powerful drama of episodes, not unlightened by humor, and took up, in the same family, on the same New York farm, the milestones of agriculture from the earliest days of the Republic to the present generation in the College of Agriculture.

Its character delineations were good, even if its speeches were lengthy; and the work of Albert Force in the second act will long be remembered as that of one who ably sustained a part that would have tried many an actor of a much wider experience.

The next year, when the competition formally closed, no play worthy of being a successor to "They Who Till" had been submitted, and it was feared by those who were following the fortunes of the regenerated Kermis, that the plan so auspiciously started with Russell Lord's play, would have to be abandoned. But a mid-winter discharge from Battery D of the 73rd Field Artillery, enabled First Lieutenant Eugene B. Sullivan to return to College, and in an incredibly short time he wrote the second Kermis play, "The Field of Honor." This play had many points of merit; it was timely, simple, direct, and obvious. It had pathos and humor, neither of them false. One of the judges acknowledged that he wept and laughed by turns as he read the manuscript; and the audience of February 11, 1919, was equally moved. The play was in five acts, in the living room of a New York farmstead. Harold B. Fuller, now county agent in Tioga, was a capable farmer, and the other parts were well taken. In spite of an exceedingly short time for rehearsals the play went smoothly, due to the untiring coaching by Professor Everett and by its author.

Last year Russell Lord was again in College after his military service and he wrote the poetic play of character, "All Thumbs." Those who saw it recognized elements of real greatness in the struggle of the farm boy who had the promptings of genius without the ability to make his dreams materialize. It was capably acted by a cast which fitted the parts admirably, and reflected the unerring skill of Professor Everett in choosing just the right actors from the aspirants at the several "try-outs."

It is pertinent to ask why these plays succeeded. In the first place, they were genuine, sincere, and simple. The authors wrote out of their experiences,

which were, perhaps, broader than usually fall to the lot of young fellows of their age. They cut their dramatic garment according to their cloth, or rather they built their dramatic vehicle to the load it had to carry and to the road it had to travel. For example, Bailey Hall contains a difficult stage. It was not built for theatric presentations, or if it was, the installation of the great pipe organ removed what stage-craft facilities it may have had. The very problem of staging a play in Bailey Hall presented an almost impossible task. Each of the Kermis plays had to be written, in the first place, with this difficulty in mind. Hence, the restriction or limitation to one-scene plays, no matter how many the acts or how long the period portrayed—in "They Who Till," a whole century! In "All Thumbs," a kitchen for the first act and a dooryard for the other two gave ample setting for the clever portrayals by Fay Vories and Sarah Van Wagenen, to say nothing of the men of the play, all of whom were good.

As to the prospects for the future, it would be futile to make predictions. But a notable precedent of three successive

successes has been established. Those who believe in dramatics for the countryside, ardently hope that these plays—written, staged, and acted by students, with only the slightest and the friendliest of guidance by members of the faculty—will be the forerunners of another superlatively good one this year, and of still others in each of the years to follow. In the end there may be gathered a considerable volume and variety of plays that are suited for presentation before critical audiences in rural communities throughout the state. There is yet to be written a good country farce, and either a farce or light comedy would be an acceptable offering after the plays already presented, all which had their sober elements, and one, even an unhappy ending.

In the days to come, when rural dramatic effort has come more fully into its own, the Kermis plays, if they continue to measure up to those of the past, will stand as notable pioneering in a field of art which so far has been but little tilled; those who have had a part in writing or presenting these plays will more keenly realize the high achievement which they have helped to foster.

An Old Man's Couplets

An oak leaf came on the windy rain
Of a winter night to my window-pane.

It beat in the gale on my window there,
Shivering, chattering, solitaire.

I brought it in where my fire burned bright
And warmed and dried it, alone that night.

And my thoughts flew wild thru the dripping rain
And smote at many another pane—

Of friendships old and forgotten; then
Came back to my fire and the leaf again.

I dried the leaf, then I burned it there
And loosed its smoke on the morning air.

Many a season may buffet me,
But the soul of a leaf is better free.

—A. P. N.

Cattle at the State Fair

Results of the 1920 Show at Syracuse and Recommendations for the Future

BY ELMER S. SAVAGE

Superintendent of Cattle at the State Fair

Professor of Animal Husbandry at Cornell University

THE cattle department at the State Fair at Syracuse this last fall had the largest and best exhibition of dairy and beef cattle ever shown there. Over 900 animals were shown, all of them a credit to the fair. The classes were divided fairly evenly between the beef and dairy types, with some slight favor to the dairy animals. There were especially good shows of Guernseys, Jerseys, and Ayrshires, and a good show of Holsteins. The Holstein interests were perhaps better represented than any of the others because so many of the smaller Holstein breeders were on hand with stock, and, consequently, fewer professional showmen.

The following were the leading Holstein breeders showing: Jabez Smith and Son of Newark Valley; R. E. Chapin of Bonalevo Farms, Batavia; E. A. Powell of Syracuse; and the Oneida Community Herd. The total number of Holsteins exhibited was 202.

About 115 Guernseys were shown, the following herds leading in importance: Emmadine Farms of Hopewell Junction; U. A. Woodbury, 2d, of Appletree Point Farm, Burlington, Vermont; and Thomas H. Monroe of Camillus. John S. Clark '13, of Hardwick, Massachusetts, was the Guernsey judge. Mr. Clark is the manager of the largest Guernsey farm in the United States, situated near Hardwick. U. A. Woodbury, 2d, one of the leading exhibitors and winner of most of the blue ribbons, is a Cornell former student, having taken the two-year special course in 1915-16.

One "first" exhibitor had a real hard-luck story to tell. Coming down to Syracuse on the Sunday night before the fair, Mr. Ryan of Batavia encountered difficulties, to say the least. He had his animals loaded on a motor truck, and, of course, they were all groomed up in

readiness for the show. The road was unfamiliar to Mr. Ryan, however, and at a sharp turn on the edge of an embankment twenty feet in depth Mr. Ryan, motor truck, and the several head of cattle abruptly left the road and descended in a direction directly opposite from the heavenly regions. On their brief journey everybody and everything rolled over completely three times, finally landing in a heap at the bottom. This in itself was no small feat, but the most miraculous part of all was that not one of the occupants of the truck was badly hurt. Unfortunately, the animals were mused up a bit too much to get them in readiness for the show.

There was a fine showing of Jerseys, 112 in all, exhibited by experienced showmen. Chief among them were: Inderkill Farms of Staatsburg; A. V. Barnes of New Caanan, Connecticut; L. D. Cowdon of Fredonia; Arlington Farms of Pittsford; and H. B. Frelinghausen of Morristown, New Jersey.

The show of Ayrshires was a splendid example of the breed ideal. The leading exhibitors were Middlesex Meadows Farm of South Lincoln, Massachusetts; J. Henry Stewart of Bath; Monstone Farm of Ipswich, Massachusetts; and the Weymouth Farm of North Weymouth, Massachusetts. All together, 92 animals were brought forward. In the aged cow class 20 individuals were judged, and these made as fine a showing as any class of aged animals ever exhibited.

There was a representative showing of Brown Swiss and Milking Shorthorns, the latter numbering 83 animals.

A particularly close competition was staged between the Herefords and the Aberdeen-Angus people for honors in the beef classes, with the Shorthorns a close third. The Herefords had 108, the

Aberdeen-Angus 107, and the Short-horns 86 animals in all.

The Herefords had an especially attractive exhibit and one which made a favorable impression on the crowd. The leading exhibitors were: Pickering Farms of Kansas City, Missouri; F. P. Fox of Indianapolis, Indiana; Law Roberts Hereford Company of Jane Lew, West Virginia; and James V. Hill of Roundhead, Ohio. The competition was strong between Pickering Farms and Fox, the former showing Lakewood Fairfax, sold before the fair for \$31,000, and to be delivered in December. However, Lakewood Fairfax took second against Fox's bull, Kirk Fairfax.

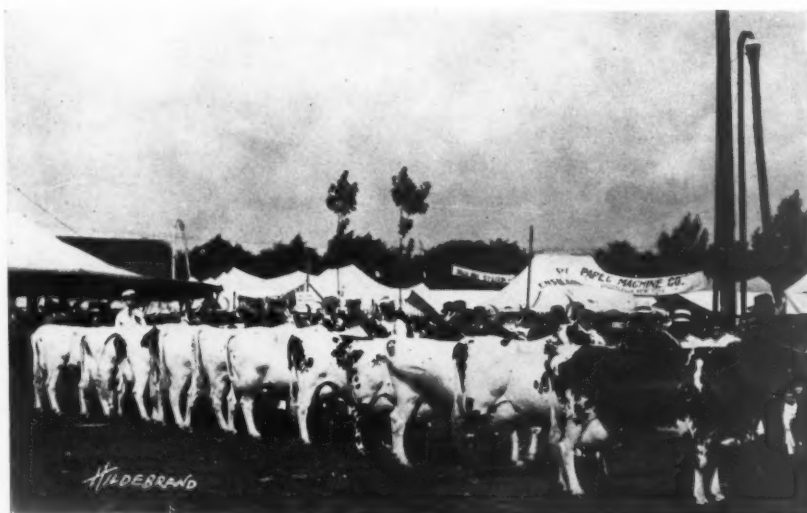
Among the Aberdeen-Angus showmen were Woodcote Farms of Ionia, Michigan; J. S. Caldwell of Chillicothe, Ohio; Cecil and Sons of Muncie, Indiana; Clarence W. Eckhart of New York City; George A. Frost of Montour Falls; and a good bunch of purebred steers from Penn State, State College, Pennsylvania.

The county exhibits were, on the whole, good. Onondaga led in the Holsteins and Guernseys, with Chautauqua County first in Jerseys. There was one serious blemish on the county exhibits,

because of the absence of Cayuga County's fine Guernsey individuals. The fair commission did not require all the animals to be tuberculin tested, so that Cayuga County decided not to enter any animals, remembering that all its animals for the show were from accredited or tested herds. As a result of this unfortunate happening, all the leading agricultural interests of the state are urging that every animal to be shown next year at the fair be tuberculin tested. Probably seven-tenths of the animals shown this year were tuberculin tested. Our clean herds must not be forced to stay away from the fair because of a few untested ones.

There is a wonderful chance for educational work thru the cattle department at the State fair. Some scheme must be devised to get more of our own New York State breeders at the fair. We cannot get along without professional showmen and the entries should always be open to all comers. The State fair is really an exposition and we want the finest stock in the world there. However, we must have some plan to help our New York State beginners make prize money in order to pay them for showing their stock. Many of these

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California, Land of Co-operation

A Co-operative Association that Yields its Profits in Service

BY W. T. FARRAR

Los Angeles, Cal.

WITH the general trend toward readjustment in the United States today, the eyes of the nation are turned toward co-operation as a possible remedy for the unnatural conditions resultant from the world war.

California is termed the "cradle of co-operation." In that state was the birth of the first successful co-operative marketing organization in the nation, the California Fruit Growers' Exchange. The working and functions of this body of farmers, which is representative of nearly the entire orange and lemon industry in the state, are proving to be of widespread interest. That the Exchange is considered a model in co-operation is shown by the fact that the American Farm Bureau Federation recently sent a special committee from the east to make a survey of the system, with a view of formulating some such plan in the proposed revised method of marketing the nation's grain crop.

In the year 1895 the Exchange was launched with a small membership of fruit growers. Today it is the clearing house thru which 10,500 (or nearly 75 per cent) of the citrus fruit growers in California market their crops. Altho the volume of business in one year totals about \$60,000,000, the California Fruit Growers' Exchange accumulates no profits and declares no dividends, as its function is co-operative service and its business is conducted at cost.

Twenty-five years ago the orange and lemon industry was on the verge of chaos. At that time about 5000 carloads of fruit was the average yearly output. The crop was marketed as many staple commodities are handled today, sold to local buyers or to representatives of distant firms, or consigned on commission to markets sometimes 3000 miles away. The buyers would purchase when there was a chance to make money; at other times the grow-

ers would assume the responsibility of distribution, would sell at a sacrifice, or if there was no market at the time the fruit was ripe, would sometimes of necessity allow it to rot on the trees. The fruit was carelessly handled, irregularly graded, packed in a haphazard way and marketed with no intelligent plan of distribution. Under these conditions the fruit kept badly, whole shipments being spoiled when delivered, markets were alternately over and under supplied and prices to the consumer were high. The orange and lemon business was becoming a hazardous undertaking for fruit merchants and growers alike. Added to these uncertainties was the fact that with the increasing number of smaller trees coming into bearing, the production was becoming too large to be marketed by the many small distributors.

In the year 1893 the growers, realizing that ruin would be the ultimate result if radical changes were not effected, held a convention at which they decided to work out their marketing problem themselves. This they did. Many obstacles were met and overcome. The co-operative movement grew and widened until today, under the name of the California Fruit Growers' Exchange, the plan has attained practical perfection. The Exchange is considered a model institution and its *modus operandi* is being copied thruout the United States.

G. Harold Powell, general manager of the Exchange, was formerly chief aid to Herbert Hoover on the United States Food Administration. He is a member of the alumni of Cornell University, having graduated with the class of 1895.

A brief resume of the functions and methods of operation of the organization may be summarized as follows:

The Exchange is composed of 188 separate packing associations, each of which is owned and controlled entirely by



Oranges evidently enjoying life in California, the "cradle of co-operation." The shiny, black orange is the only ripe one

growers. An association builds a packing house, harvests the fruit of its members and assembles it in the packing house, and there grades and packs it in accordance with the rules of the Exchange. The cost of the packing houses varies from \$20,000 to \$250,000 or more.

The associations of a community federate into a non-profit District Exchange,

which acts as a clearing house between the Association and the California Fruit Growers' Exchange in the handling of marketing problems. The District Exchange is comprised of one director from each of the associations represented and is managed by a salaried manager. The California Fruit Growers' Exchange is a non-capital, non-profit association formed

by the District Exchanges. It is run by a board of directors composed of one member of each District Exchange thru a general manager and other salaried officers.

Complete authentic information on the conditions affecting the sale of citrus fruits is gathered daily on each market and distributed in bulletins to the associations. In this manner members can closely follow the markets and their daily distribution is controlled accordingly. The money from sales is collected by the Exchange, which transmits it to the District Exchange. The members receive their share of the proceeds pro rata, based on the amount of fruit delivered to the Association. To handle the immense volume of business necessary to the disposing of the huge crops, the Exchange is organized with executive, sales, traffic, statistical, auditing, advertising, legal, field, and other departments.

Especially at this time, when it is estimated that the orange and lemon crops will materially increase in the next few years when the small trees come into bearing, particular attention is given to the development of new markets. The Exchange maintains a large "dealer service" department, which is constantly working by actual contact with the wholesale and retail trade in developing the best methods of salesmanship. It also conducts a year-round national campaign of advertising and of trade promotion to increase the consumption of citrus fruits.

In 1920 the Exchange shipped 15,823,764 boxes or 34,461 carloads of fruit, returning to the growers approximately sixty million dollars. Despite the increased costs of materials and of all overhead expenses, the total average average operating cost of the Exchange marketing service was 6.63 cents per box of fruit or 1.35 per cent of the delivered value of the fruit and 1.77 per cent of the f. o. b. returns. These figures are contained in the annual report of General Manager G. Harold Powell for the year ended August 31st.

The Fruit Growers' Supply Company

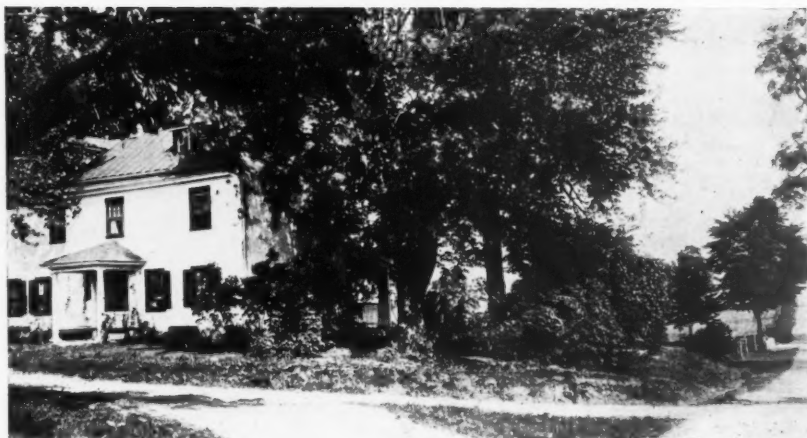
is an organization owned and controlled by members of the California Fruit Growers' Exchange. Its function is the purchase of orchard and packing house supplies and furnishing them to the growers at cost. Last year the Supply Company transacted a business in excess of \$8,500,000. This volume of purchases was accomplished at an approximate cost of slightly less than \$1.50 per \$100. Thru the Supply Company members furnish themselves with boxes in which to pack and ship their fruit. At Hilt in Northern California the Company owns 25,000 acres of timber lands, a modern lumber manufacturing plant and box factory and carries on extensive lumbering operations.

The growers recently purchased an additional large timber tract in Lassen County and a new sawmill and box factory are under construction at Susanville, California. It is estimated that next season's run at this plant will be a million boxes. The capacity of the Hilt plant is over three million boxes a year.

The higher grades of lumber, which, consistent with the economical operation of the plant cannot be used in the manufacture of boxes, are sold thru the Supply Company Lumber sales office recently opened in San Francisco. Sales thru this branch since its opening last year aggregated \$691,000. This money is turned back into additional lumbering operations. Thru co-operative work, over a million buds from selected trees have been distributed by the Supply Company to the members. These buds will materially aid in maintaining the high standard of trees and fruit.

Millions of dollars have been spent by the California Fruit Growers' Exchange in the promotion of their brand "Sun-kist". Don Francisco, advertising manager, stated in a recent interview regarding co-operative advertising: "One of the finest things about co-operative advertising is the splendid spirit behind it. Any force that brings men together, that helps them forget their petty jealousies and appreciate their inter-dependence, performs a social service. It helps to

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Taking the College to the Home

How New York Farmers and City Dwellers Study Agriculture by Mail

BY H. A. STEVENSON

Supervisor, Cornell Farm Study Courses

A FEW days ago one of the college extension men came into the farm study course office and asked that information about home study be sent to an address in one of the northern counties of the State. The address was that of a boy, he said, who wanted to come to Cornell with all his heart, but his father had forbidden him to think of coming, even for a short course, and he wanted to enroll in one of the farm study courses as the next best thing. It developed that after the meeting in that town this boy and his mother had asked the extension man what the college could do in the way of instruction for one who could not come to Ithaca. The boy is determined to learn all he can about farming despite his father's objections; his mother, possibly looking ahead farther than her husband, is on his side. Maybe together they can persuade the father to let his son come for at least a short course, but meanwhile he is getting information and using it, as his answer-papers show.

This, then, is one of the purposes of

the Cornell Farm Study Courses as they have been reorganized the past year—to give, in as careful and efficient a way as is possible by mail, an opportunity for consecutive, supervised study of agricultural problems. They aren't perfect yet; probably they never will be. There are too many difficulties inherent in this kind of instruction. But they are giving information on seven agricultural subjects in which courses have been arranged to nearly a thousand persons in the State who might not be reached in any other way. And, as the correspondence-school catalogs put it, this method of teaching has the advantage that the reader can choose the subjects in which he is interested, can do the work at odd times, and his work does receive the individual attention of those in charge of the work. Of course, the cost is less than for resident instruction; study courses, like other extension work of the College of Agriculture, are free to residents of New York State.

Such instruction, naturally, cannot prepare one for college or even fit him to

engage in farming if he has no other training. The courses are elementary and incomplete, intended only to furnish a means of keeping up with the times in agriculture, directed and guided by specialists who are leaders in their work.

Each of the seven courses offered has been arranged and the material selected under the direction of the extension men in the department it represents. Others are in preparation and promised, but the present list includes only courses in farm crops, the soil, home gardening, fruit growing, dairying, livestock, and flower growing. The material for study is not limited to publications of the New York State College of Agriculture. Arrangements have been made so that if the college has not its own material on any subject the departments can select publications from the Geneva Experiment Station or from the United States Department of Agriculture at Washington. For example, it was found that just at present the college had no publications available which discussed certain phases of fruit growing. Geneva did have excellent publications on the subject, however, and some Farmers' Bulletins from Washington were found to cover parts of the subject of home gardening on which the college had no publications. In this way, departments are enabled to keep their courses up-to-date and complete by choosing material from these three sources.

This material is collected as it is designated by the departments of the college. It is sent free to residents of the State who enroll in the farm study courses, in the form of bulletin-lessons, one at a time, on these various subjects. Each one of these bulletin-lessons is accompanied by a discussion paper which contains questions on that particular lesson, and is plainly marked as a part of a Cornell Farm Study Course to distinguish it from publications sent out on the regular college mailing list.

Every person enrolled in the study courses is required to answer the questions on the discussion paper for each lesson and return it to the college before the next lesson in that course is sent to

him. If he fails to do this, he is automatically dropped from the list of students after being warned by letter. Only in this way can the courses best answer the purpose for which they are intended; those who enroll for them must keep up their interest and do their part if they are to continue to receive this service from the college.

From this brief outline of the plan it is apparent that the farm study courses are of little value to the idle or indifferent reader. One must be ambitious, persevering, and intelligent to receive benefit from them, altho the work is so arranged that little or no educational preparation is necessary to understand and profit by it. Surprisingly few drop the work before they have completed at least one course, possibly because it has been made fairly difficult to enroll. By the time one has received his circular letter of information and filled out his enrollment card, he usually understands that if he doesn't do his share he cannot continue to receive the lessons.

Many, after they have finished one course, enroll for another, going thru the list and taking all the work in which they are particularly interested. Others have enrolled for two courses at a time, studying the lessons of one while the answers for the other were in the mail, thus always having material on hand to study. The college has only one restriction on enrollment—that the student must "follow thru" and do his part by answering the questions and sending them in promptly and regularly. The answers are carefully read and any special questions are referred to extension men in the department concerned. No marks are returned, but a careful record of each reader's progress is kept in the office of the supervisor.

More advanced work is given at present in three subjects: farm crops, fruit growing, and vegetable gardening. Several other advanced courses are in preparation, but not ready yet. These are more elaborate than the farm study courses; each requires a text-book which the reader must buy himself and the study

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Book Reviews

How to Use Cement for Concrete Construction

By H. Colin Campbell, C.E. Stanton and Van Vliet Co., Publishers, Chicago, Ill.

The subject of concrete construction is becoming more important each year. As the supply of timber decreases, people naturally look for a substitute for lumber. Many farmers would use concrete more extensively if they knew how to build the forms, how to choose the best sand and coarse aggregates from the available supplies, and how best to proportion and mix the materials.

A book which gives the prospective builder all the information that he needs for the construction of things most commonly made of concrete, and which is also suitable for class-room work, fills a long felt want.

In the preparation of the book, the author seems to have constantly kept in mind the need it would fill. The liberal use of illustrations showing the method of laying out foundations for structures, of the making of forms, and also the finished work, is commendable. Several useful tables are given which will be helpful to the prospective builder.

More might have been said about the size of aggregates and the best method to proportion them to get the densest mix. A classification of rocks, showing which are best for concrete might also well have been given.

In general, the book is well prepared and will be a welcome addition to the literature on the subject. J. C. M.

Useful Wild Plants of the United States and Canada

By Charles F. Saunders. Robert McBride and Co., New York City.

The purpose of the book as given by the author is to call attention to many little-known but useful wild plants that are available for human food and use. Such possibilities as tubers, seeds, fruits, berries, substitutes for soaps, and the like, are all considered; also, the author includes complete directions for the preparation of the finished product.

Much of the early pioneer and Indian lore is introduced, making a very readable volume. A useful index is appended which lists the plants according to use and habitat.

The treatment is such that the book is comprehensive enough to be of value to the botanist and plant lover, and at the same time be of interest to the man who knows little about wild plants, but who wants to know more. L. A. Z.

The Butter Industry

By Otto F. Hunziker. Published by the Author at La Grange, Illinois.

Otto F. Hunziker, Cornell 1900, has written another book. The first, which has passed thru the second edition, is *Condensed Milk and Milk Powder*. It has been invaluable to both student and manufacturer. The second, which came from the press only a few months ago, will be equally as valuable.

This book, which the author has named *The Butter Industry*, is the largest butter-reference book on the market, and in its six hundred and seventy-one pages Professor Hunziker has discussed in detail all the phases of manufacturing and marketing butter.

Cornell University is proud of this volume which the author has so filially dedicated to his Alma Mater. During his graduate days at Cornell Hunziker assisted in the dairy bacteriological laboratory. He then went into commercial work in condensing milk. In a few months he was called to the professorship of the department of dairying at Purdue University. After several years of successful teaching and experimental work he was called to his present position as Manager of the Manufacturing Department and Director of the Research Laboratory of the Blue Valley Creamery Company of Chicago. With an author of such wide experience, this book should meet with universal use in creameries, pure food departments, and by students.

E. S. G.

Productive Soils

By Wilbert Walter Weir, M.S. J. B. Lippincott Co., Philadelphia, Pa.

While the title of this book may not be well chosen, the contents are carefully selected and admirably arranged. There may be some question as to what is meant by productive soils, or whether all material that ranks as soil is not productive if the other environment is favorable to plant growth. However, we may overlook the name because of the excellence of the subject matter.

The book is primarily adapted to the needs of the farmer. It presents a large amount of useful information and interprets it in a clear and practical manner. Reading is not made difficult by the use of unnecessary technical terms or chemical formulae. Simplicity of statement is maintained thruout, but not at the expense of an adequate presentation of the subject.

It resembles most other comprehensive treatises on soils in discussing such aspects of the subject as the origin of soils and modes of formation, water relations, tilth, micro-organisms, chemical changes, and soil amendmets. There is, in addition, a rather extended discussion of cropping systems, a chapter on soil erosion, and three chapters dealing with the management of marsh lands, sands, and clay soils. There are also two chapters which treat of the relations of soils to the management of the farm. Dry-land farming is covered in four pages.

The book is hardly adapted to use as a college text, as its discussions of soil investigations are confined mainly to the more practical and simple experiments, and do not, as a rule, include those which have led to our knowledge of the chemistry, biology, and physics of soils. In other words, it deals with facts rather than principles. It is rather too large for a short-course or high-school text, but a smaller edition is promised by the publishers which will doubtless be suitable for that purpose.

The mechanical make-up of the volume is excellent, the print being large and clear, and the illustrations really

useful as a means of presenting the subject matter. T. L. L.

Productive Small Fruit Culture

By F. C. Sears. Lippincott and Company, Philadelphia, Pa.

This is a book of medium and convenient size representing a compilation from various sources. Varieties, origin, propagation, planting, management, and marketing of the various small fruits, including the strawberry and grape, are discussed in more or less detail, and yet with an absence of wordiness. The principal insect pests and fungous diseases of the various small fruits, and the control of these are also discussed.

The purpose of the book, as stated, is to serve "the instructor who is conducting classes in small fruit culture; and, second, the practical grower who has not yet mastered all the details of the business". From the standpoint of the former it will, undoubtedly, prove useful as a reference book. The discussions on varieties, planting, fertilizing, pruning, and marketing of small fruits will be of particular value to the practical grower. *Productive Small Fruit Culture* will be a valuable addition to the horticultural library. C. H. U.

The Farmer of Roaring Run

By Mary Dillon. The Century Company, New York.

The farmer of Roaring Run was really a farmerette. Her dead husband, Harold Sinclair, had been farm manager for a wealthy Scotch "gentleman farmer", John McClure. Mr. Sinclair had run the estate badly in debt, and his coarse nature and love of drink had estranged him from the affections of his wife. At his death, Mrs. Sinclair assumed the role of manager, and in spite of scoffs and jeers made good from the start. Of course there is a villain in the plot. In this case it was a farm-hand whom she had to discharge for drinking. Mrs. Sinclair is twice rescued from him by the timely arrival of McClure, who, of course, falls in love with her and eventually marries her. The author takes advantage

(Continued on page 92)



Away With Darkness!

Now is the time to start our open fireplaces, open up the blinds, and create a bright and cheerful atmosphere, for with the shorter days of fall we cannot afford to waste the least bit of sunshine. It is just such days as these when a pleasant, comfortable living room compensates for unpleasant weather.

This is no longer the day for dark parlors with drawn blinds, opened only on state occasions, while the family confines itself mainly to the kitchen. Nor is it the time when farmers' wives put up with all the inconveniences while their city cousins live amid the ease and comfort of modern improvements.

Most farm houses boast of a fireplace, altho they are not made use of in a great many cases. Yet how cheerful and bright the crackling logs make the winter evenings seem; and what better setting could be desired for winter parties!

And we must freshen up the rest of our living rooms, giving them a touch here and there which will bring out that cozy, homelike air we all love. If our curtains are dingy or faded, dipping them in a dye will make them look like new, and it is not hard to do either. Fast dyes, which have to be boiled, are very good, but for delicate shades soap dyes are very satisfactory and take much less time. New curtains made of a good quality of cheesecloth, dyed to blend with the color scheme of the room, are inexpensive yet crisp and attractive.

Of course we must bring in as much of the outdoors as possible, and no better way can be found than by means of a window garden. Geraniums are such bright flowers and if properly cared for will bloom all winter, while most of our summer plants at least give good foliage if slips are taken from the large plants and started for the winter. There is a

large variety of bulbs, crocuses, narcissus, daffodils, tulips, and hyacinths which are easily grown, requiring only a small amount of care. These will do better if three or four bulbs are put in one pot. They should be watered well, and kept in the dark until the roots have developed, which will be about six weeks. In order to have a succession of blooms, bring some out into the light at different times than others, for it will take about the same time for each to bloom.

The bright red berries of the bitter-sweet add an attractive bit of color to any room, as will bouquets of other plants such as milkweed pods, or barberry.

Try a few of these suggestions in your home and see if they do not bring an added improvement. They may even help you to think of others still better.

Sewing vs. Milk Testing

The sewing machine promises to become a rival of the Babcock tester and the foods laboratory of the work rooms of the poultry department, now that the young women of the State are coming to see the advantages offered in the short courses in home making, given at the College.

Because of the awakening interest in these short courses in home economics, this year the number of courses has been increased in order to meet the varying interests of the students.

These courses, which begin November 10 and end February 18, are free to residents of New York State and include dressmaking and design, simple home millinery, a study of household management and of human nutrition, lectures on the design and arrangement of household furnishings, and on the responsibilities of women taking part in the citizenship of the community, state and nation.

THE CORNELL COUNTRYMAN

FOUNDED 1903 INCORPORATED 1914
NEW YORK STATE COLLEGE OF AGRICULTURE AT CORNELL UNIVERSITY

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ITHACA, N. Y., NOVEMBER, 1920

THIS issue of THE COUNTRYMAN is devoted in part to propaganda, sinister tho such a statement may sound. The magazine reeks of it; we fairly revel in it. But, lest we are summoned before some committee on the abuse of free speech, we shall straightway make our defense. You know, of course, it is merely the happenstance of another good word gone wrong. Like the use of a whip on the average mule, propaganda may produce good effects as readily as calamitous ones, depending partly on the user and partly on the mule, and on how well the user understands the mule. And now that everybody understands everybody else, let it be known that our propaganda lies chiefly in the publication of matter about Kermis, the annual play written and presented by the students of the College during Farmers' Week. We simply desire to call your attention to the first article in this issue written by Professor Bristow Adams on the Kermis plays. There you may determine whether or not the Kermis is worthwhile continuing. And as yet no suitable manuscript has been submitted to

the Kermis committee, wherefore our editorial comments. Surely we must have some among us with average ability to write, and an insight into rural affairs. These things and the quality of being very human ought to enable one to write a play full of interest to the rest of the community.

Now that we have rendered the burthen of our song, we intend to ramble (not that we haven't already), to march thru space without an iota of regard for unity, coherence, or similar orderliness of thought. And mind, folks, is there any better time of year to ramble than in the month of November? Those giant, silent woods beckon us; those paths of countless leaves lead us on away from the "madding crowd's ignoble strife" to solitude and retrospection. There we may dream and idle away hours of precious time, and glory in our wastefulness. For after all, no man can measure his obligations to society unless he understands himself, an understanding best brought about by retrospection and self-analysis.

In reading over the first paragraph some may think the analogy of a mule being whipped and of propaganda influencing people a derogatory one. There we disagree. Rather is it derogatory to the mule. For the mule is the acme of common-sense. His sense of proportion is equally well developed. Try to make a glutton of him, work him from sun-up to sun-down, and still his ears wag merrily from side to side. Of such good stuff is the mule.

As you may have noticed we usually refrain from discussing the more pressing problems of agriculture. These are taken up fully and ably by men of wide experience and broad education in our national agricultural magazines. Wherefore, our policy of a golden silence on such matters. Rather do the sentiments expressed here treat of local matters, or else of somewhat abstract subjects likely to be of interest to college men.



Former Student Notes



Are You a Live Member?

The president of the Alumni Association, F. S. Barlow of Cooperstown, N. Y., has sent the following letter to Alumni Association members:

"Without doubt there is some young man or woman in your community who would be greatly benefited by taking the short course at the State College of Agriculture this winter. We are having a catalog mailed you and ask that you personally take it to some one, using your influence to secure a student. The president of the Association is indebted to a former student for doing just this thing.

"There are now 418 members of the Association. Without doubt we are among those who are most interested in the College and in agriculture, or we would not have become members. We will serve both by inducing farm boys and girls to take the course.

"Tentative plans are already made for our next annual meeting during Farmers' Week, which we hope will be a real get-together."

A Permanent Program

It has unfortunately been true in the past that the program of Alumni Association work for the ensuing year has been planned hurriedly during Farmers' Week by a few of the more active members.

It seems to the Alumni Editor that the only satisfactory program should be

(1) permanent in the sense that a piece of work may be carried thru to completion by responsible committees regardless of changes in officers, and (2) well considered in the sense that it is in the process of making thru discussion and study by as many former students as possible long before the annual meeting.

The time to start is now. One of the places where such a program may grow is in this column. We would like to have suggestions, criticisms and questions from large numbers of former students to this end, and we will publish as many as we can find space for. As Dean Mann has recently written, "We ought to get some productive thinking on the part of our alumni."

The Annual Meeting

As the president has stated in his letter to former students the annual meeting plans are now under way. With the backing of Alumni Association members we make this event one of the biggest features of Farmers' Week. A successful affair of this kind is the result of the thought and participation of many persons. Send in your big idea to the president.

Former Student Achievements

If you know of former students whose achievements other former students should know of, please write the Alumni Editor about them. Write in what you know from any such source.

'14 B.S.—E. C. Weatherby, who has been the successful manager of the Cayuga County farm bureau for the past three years, has resigned his position to accept that of organization manager for the Grange-League Federation Exchange. He began his work October 1 when he opened his office at 322 Bastable Building, Syracuse.

A request from the Editor for particulars on his life produced the following:

"I was born and brought up on a two hundred acre farm, located ten miles west of Ithaca. Skipped off to high school at Trumansburg and then went to Cornell where I specialized in the courses that I thought would help me to be a real good farmer, and also took the courses that were available in rural organization."

"For two years after I left college I handled the old fork and hollered 'whoa,' then I became interested in organization work and went to Cayuga County, on the first of February, 1917, as farm bureau manager. Down there I met a membership of three hundred and sixty farmers at one dollar a member, and a board of supervisors' appropriation of two thousand dollars. I left with an appropriation of five thousand dollars and two thousand members."

"I inaugurated the Crop Contest and Seed Fair, which is destined to make farmers more successful by the use of better seeds and to make Cayuga County known as a source of good seeds. Cayuga County also has the first Dairymen's League Co-operative plant in New York State, is a leader in co-operative endeavor, and a hard place to leave when



E. C. Weatherby, organization manager of the Grange-League Federation Exchange

you think of the many friendships you have made as member of the Rotary Club, Chamber of Commerce, and at the twelve o'clock Saturday night Grange meetings."

"As far as I am concerned with the Grange-League Federation Exchange, my best energy and enthusiasm will be put into my ambition to make this the greatest farmer-owned, farmer-managed, co-operative organization in either of the two hemispheres."

'04 Sp.—L. A. Moulton, who used to be manager of the college farm, is now with the State Department of Farms and Markets. He is assisting the manager of the State farms.

'07 B.S.—Miss Margaret V. Landmann has been employed since February, 1917, in the experimental division of the Forsgate Farms, Cranbury, N. J. She is engaged in raising gladiolus, dahlia bulbs, and perennials, and is carrying on experiments with grapes, nut trees, and soy beans. Her address is R. D. 2, Cranbury.

'10—W. E. Davis, who has been acting as assistant farm bureau manager in Cayuga County during the past year, has succeeded E. C. Weatherby as county agent there.

'10 B.S.—Freeman S. Jacoby has been made head of the poultry department of Ohio State. He is also secretary and treasurer of the Ohio Butter, Egg, and Poultry Association. During the past summer he has been frequently called upon to act as judge of poultry at county fairs in the state.

'10 B.S.A.—Waldemar H. Fries has resigned his position with the American Agriculture Chemical Company, and on July 1 became associated with the Davidson Chemical Company, Garrett Building, Baltimore, Md.

'10 B.S.—Wilbur M. Walden has resigned his position as chief deputy inspector of the Essex County, N. J., Mosquito Extermination Commission, to become assistant state entomologist, with headquarters at the New Jersey Experimental Station at New Brunswick. Walden joined the Mosquito Extermination Commission as deputy chief inspector when it was organized in 1912. He served for two years with Ambulance Company 33, and upon his return from overseas, resumed his work with the commission.

'10 Ph.D.—J. T. Barrett is now acting director of the Citrus Experiment Station, Riverside, Calif.

'11 Ph.D.—E. P. Humbert, who has been plant breeder in charge of cotton investigations at the Texas Experiment Station, has recently resigned to take up commercial work in cotton breeding with the Truitt Seed Company.

'11 Sp.—A. L. Dean has recently been appointed instructor in poultry hus-

bandry at the Virginia Agricultural and Mechanical College, Blacksburg, Va., having resigned from a similar position at the Massachusetts Agricultural College, Amherst, Mass.

'12 B.S.—Helen Kirkendall is married to Eric Miller, of Danby.

'12 B.S.—George M. Butler, originator of our "Ag" yell, has been teaching in an agricultural high school since leaving Cornell. He is residing at Addison, Conn.

'12 B.S.A., '15 Ph.D.—C. A. Ladd, formerly director of the State School at Alfred, comes to Cornell to do extension work in the department of farm management.

'12 B.S.—Claude Mitchell is a landscape architect with Webb, Marlow, and Vought, Inc., architects, engineers, and contractors, 37 West Forty-sixth Street, New York. He lives at 231 Twenty-eighth Street, Woodcliff, N. J.

'12 M.S.—O. W. Dynes has resigned his position in the farm crops department of the College to assume charge of the farm crops work in the Tennessee College of Agriculture, at Knoxville, Tenn.

'13 B.S.—E. R. Wagner has resigned his position as county agent in Cumberland County, N. J., to become farm bureau manager in Wayne County with headquarters at Sodus.

'13 B.S.—F. E. Rogers, who has been county agent in Wayne County since the farm bureau was organized there, has resigned to assume a partnership position in a retail milk business in Washington, D. C.

'13 B.S.—R. H. Hewitt has resigned his position as assistant county agent in Delaware County and has accepted the position of farm bureau manager of Chemung County. Mr. Hewitt began his work there on October 11. His office is with the Chamber of Commerce in Elmira.

'13 B.S.—C. M. Austin has resigned his position as county agent in Franklin County to go into the feed business on his own account.

'13-'15 Grad.—"Sunshine" G. A. Bur-

rows was married on July 7 to Miss Mildred Irene Simpson of Tonowanda.

'13 B.S.—Francis C. Smith has been in Ithaca for the past two and a half years as extension specialist in farm crops. He lives at the Greycourt Apartments.

'14 B.S.—C. A. Bacon, who has been doing graduate work at the College, has gone to Sherburne as teacher in vocational agriculture.

'14 B.S.—Edwin G. Bishop is engaged in advertising work with the *Real Estate Journal*. His marriage to Ethel Frances Merrick of Miami, Florida, took place July 3. His present address is Coral Cables Plantation, Miami, Fla.

'13 B.S.—Edwin P. Smith and Mrs. Smith announced the birth of a son, Howard Edwin, on the 29th of June. Perhaps Howard Edwin will some day be an alumni editor of THE COUNTRYMAN, as was his father.

'14 B.S.—John Reisner and his wife, formerly Miss Betts '14, have just returned to the United States from China. He is dean of the University of Nankin, China, and is now on furlough.

'14 B.S.—B. W. Shaper has left the position of county agent for San Bernardino County, Calif., to accept the position of manager of one of the finest farms in southern California. A model dairy and feeding barns, over one hundred Guernsey cows, some fifty Durock hogs, and four hundred chickens of several different breeds are some of the big points on this farm. In April of this year Shaper married Miss Helen Stimpson, a graduate of Wellesley.

'14 M.F.—C. S. Hahn is at Fairbanks, Alaska, connected with the Alaska Experiment Station.

'14 B.S.—"Dud" Alleman and Mrs. Alleman announced on September 3 the birth of a daughter, Irene Simpson. Mr. and Mrs. Alleman are at present living at 5715 Callowhill Street, Pittsburgh, Pa.

'14 B.S.—Harold Dean Phillips has recently been appointed director of the bureau of markets and storage, division of foods and markets, of the New York

State Market Bureau; he formerly held the position of assistant director. From 1914 to 1918 he was an instructor in rural economy at the College.

'14 B.S.—Stanley H. Watson is with the Gregory Coal and Lumber Company, Great Neck, Long Island.

'15 B.S.—R. A. Olney, who has been teacher in the agricultural demonstration department at Trumansburg, has gone to North Carolina as assistant state supervisor of vocational agriculture.

'15 B.S.—Wilbur Chase has resigned as county agent in Seneca County to assume the management of his own farm and the farm of Professor M. C. Burritt at Hilton. Mr. Chase will begin his new work on February 1, and will operate the two farms as a unit.

'15 B.S.—H. S. Gabriel is now with the department of farm management at the College.

'15 B.S.—Mrs. E. L. Banner, nee Miss Pearl V. Decker, is teaching domestic science in the Bainbridge High School.

'15 B.S.—Walter H. Sheffield is in the office of E. S. Draper, landscape architect, at Charlotte, N. C. His address is 11 East Fifth Street.

'15 B.S.—F. Marcellus Staley has recently been elected director of the department of agriculture of the State Agricultural and Mechanical College, Orangeburg, S. C.

'16 B.S.—Victor M. Buck has just arrived in West Africa, where he will take up teaching the natives improved methods of agriculture. He is working with the Presbyterian Board of Missions. The last six months he has spent in France learning the French language, which is spoken in that part of Africa. His address is Metet, Yaounde, Cameroun, West Africa.

'16 B.S.—G. E. Matter of the Sharples Separator Company, and R. C. Van Horn '18 of the Nestles Food Company, were visitors at the dairy building on October 6, 1920.

'16 B.S.—C. V. Noble has been made assistant professor in farm management and is giving course 1 this year.

'16 B.S.—L. R. Hart, who has been

teaching agriculture at Hammondsport, has resigned his position to go into commercial work.

'16 B.S.—W. H. Dagget is with the Stase Milling Company at Castleton, Vt.

'16 B.S.—V. D. Baker is conducting a lumber business in Goldbar, Wash. During the war he served as lieutenant in a machine gun battery.

'16 B.S.—F. D. Brooks has gone to Purdue University, Lafayette, Ind., as an instructor in poultry husbandry.

'16 B.S.—E. E. Honey has accepted a position as instructor in the department of plant pathology. After serving in the A. E. F. in France, he became an assistant in plant pathology in the University of Illinois. He then took a position in the State Department of Agriculture of Pennsylvania, leaving the latter position to come to Cornell.

'17 B.S.—R. L. Gillette has secured a year's leave of absence on account of eye trouble, and is now connected with the U. S. Bureau of Soil Surveys.

'17 B.S.—Mabel Lamoreaux is teaching home economics at McKeesport, Pa.

'17 B.S.—E. I. Kilbourne is now in the sugar business. His address is: Consuelo, San Pedro de Macoris, Santo Domingo, West Indies, via Porto Rico.

'17 B.S.—Melva Lattimore and Louise Blauvelt '18, are in charge of the dining hall at the University of Colorado.

'17 B.S.—Alfred P. John is now in Prescott National Forest, Prescott, Ariz. He is engaged in ranger work.

'17 B.S.—"Jim" Owens has recently accepted a position as assistant to Professor Everett in the extension department.

'17 B.S.—"Burt" Fonda and Miss Helen Scureman Clark were married on the 14th of September at Kingston, Pa. Their home address is Fonda.

'17 B.S.—H. E. Brower is acting county agent of Niagara County.

'17 B.S.—Mrs. Pearl Warn Hovey, of North Sanford, announces the birth of a child, Joyce Victoria, born June 27.

'17 B.S.—Leland Spencer, formerly instructor at Amherst, Massachusetts State College of Agriculture, has re-

turned to Cornell to work for his doctor's degree. He is acting instructor in the department of farm management.

'18 B.S.—E. B. Hughes, who has been teaching agriculture in South Dayton, has gone to Westfield to take a similar position.

'18 B.S.—L. V. Lodge has received his M.F. from the Yale School of Forestry. At present he is employed with the American Telephone and Telegraph Company.

'18 B.S.—George E. Hiebeler was married on June 30 to Miss Evelyn Sara Osborne, daughter of Mrs. Evie Osborne. They are making their home at Chatham, where Hiebeler is managing a farm in partnership with his father.

'18 B.S., '19 M.F.—Perkins Coville was recently engaged for three months in estimating timber on a 150,000-acre tract in West Virginia for the James D. Lacey Company, of New York. Four other Cornellians were members of the same crew, which consisted of fifteen men: William D. Comings '18, Samuel C. Sweeny '18, Willard R. Hine '19, and Harry J. Donovan '21. Coville's home address is 514 East Buffalo Street, Ithaca.

'18 B.S.—J. H. Lay has received his M.F. from the Yale Forestry School.

'18 B.S.—C. R. Inglee has accepted the position of manager of the Suffolk County Farm Bureau. He has been assistant manager for a year, and was appointed manager upon the resignation of R. C. Parker.

'18 B.S.—Charles W. Bolgiano is in business with his father selling seeds, implements, and supplies, at Washington, D. C. He was married to Nellie D. Du-ball of Washington, September 16. They are at home at 6912 Eighth St., N. W., Washington, D. C.

'18 B.S.—D. P. Norton, who has been principal and teacher of agriculture at Belleville, has gone to Machias to accept a similar position.

'18 B.S.—F. O. Underwood, instructor in vegetable gardening, is conducting field investigations with muck land in Wayne County.

'18—Jeremiah A. Crowley, of Ar-

lington, N. J., has gone to Tulsa, Okla., where he is connected with the State bureau of entomology. He is engaged in experimental work in checking the spread of corn borer and other pests. During the war he served as a lieutenant in the aviation corps at the Massachusetts Institute of Technology, at Cornell, Columbia, and Fort Sill. In the latter place he experimented with wireless telegraphy, and later with the wireless telephone as a means of directing squadrons of planes in the air.

'19 B.S.—W. H. Brandow has recently purchased a dairy farm near Middleburg.

'19 B.S.—F. K. Alfke is in the sales department of the Beaver Board Company. His address is 1334 Corover St., Denver, Colo.

'19 B.S.—William Stempfle expects soon to take up extension work in Massachusetts. He has been acting as county agent in Schenectady County during the past summer.

'19 B.S.—William C. Elridge, who has been in the dairy business, is now raising rice at Biggs, Calif.

'19 B. S.—Hazel S. Dunn is assistant supervisor of home making at Mount Vernon.

'19 M.S.—C. B. Gentry, who has been professor of agricultural education at Rutgers College, N. J., has gone to the agricultural college in Connecticut as head of the department in agricultural education.

'19 B.S.—W. M. Houghton sailed October 2 on the *Imperator* for Constantinople, where he will act as representative for the Standard Oil Co.

'19 B.S.—E. R. Hoskins has gone to Belleville as principal and teacher in agriculture.

'19 B.S.—Llewelyn P. Evans is with the Pennsylvania State Department of Markets at Harrisburg, Pa.

'19 B.S.—Francis Preston is working for the Standard Oil Company in Madras, India.

'19 B.S.—Allen F. Lockwood and Mrs. Lockwood announced the birth of a son, Leonard Berton, on the 18th of July. Mr. Allen is still instructor in agricul-

ture at the Chateaugay High School, Chateaugay, N. Y.

'19 B.S.—P. L. Dunn and Miss Clara Tailby were married on June 22nd. They have made their home in Ithaca, as Mr. Dunn is an instructor in the extension department.

'19 B.S.—Norman T. Newton is with Bryant Fleming, landscape architect, of Wyoming, N. Y.

'19 B.S.—Lina Darling was married to Julius E. Parsons on September 4. They are at home at East Aurora.

'20 B.S.—Katherine Crowley is at Auburn teaching home economics.

'20 B.S.—Grace Dimlow is in the clothing department at Temple College.

'20 B.S.—Evelyn Hendricks is at Bath teaching in the home economics department.

'20 B.S.—Thomas K. Chamberlain is engaged to Miss Evelyn Taggart of Vermont.

'20 B.S.—Dorris Lake is at the University of Wisconsin, Madison, where she is instructor in home making.

'20 B.S.—Iva Miller is at Westfield teaching in the home economics department.

'20 B.S.—Cornelia Munsell is connected with the Service Club at Camp Humphreys, Va.

'20 B.S.—Mrs. Van Arsdale is at Orchard Park teaching home making.

'20 B.S.—C. W. Comstock was married to Miss Esther Evans, of Oriskany, on June 30.

'20 B.S.—W. A. Rodwell is in South Dayton teaching agriculture.

'20 B.S.—A. M. Coan is teacher of vocational agriculture in Canaan.

'20 B.S.—J. R. Robinson has gone to Bergen as teacher in the department of vocational agriculture, which has lately been established there.

'20 B.S.—H. G. Wolfe is teacher of vocational agriculture in Callicoon.

'20 B.S.—Violet Brundage is teaching home economics at West New York, N. J.

'20 B.S.—B. D. Dain was married to Miss Ella Lillian Ringgold of Ithaca, on September 22. "Bri" is working for his M.F. at present.

The Supreme Evidence of

DE LAVAL

CREAM SEPARATOR SUPERIORITY

Naturally the cream separator does not make or break the average farm user. The majority of them have no sure means of knowing just what their separator may be saving or wasting.

But the big user in the whole milk creamery or city milk and cream plant does know, and in the long run the separator means success or failure in his case.



That's the reason why practically all of the world's users of factory size cream separators use the De Laval, and why the few such machines of other makes occasionally sold soon find their way to the scrap heap.

And it may well be remembered that De Laval superiority means relatively just as much to the small as to the big user. Ten dollars a month mean as much to the farmer as ten dollars a day to the creameryman.

It's not only a matter of quantity and quality of cream, but of capacity, labor saving, dependability and durability over a long term of years.

A De Laval catalog helps to make these facts plain. The trial of a De Laval machine does so better still. Every local De Laval agent stands ready to prove them.

If you don't know the nearest De Laval agent simply address the nearest main office, as below.

THE DE LAVAL SEPARATOR COMPANY

165 Broadway
NEW YORK

29 East Madison Street
CHICAGO

61 Beale Street
SAN FRANCISCO

50,000 Branches and Local Agencies the World Over

Tell Advertisers Who Introduced You.

'20 B.S.—Walker Smith was a member of the United States track team that represented this country at the Olympics at Antwerp. "Walk" placed in the high hurdles.

'20 W.C.—Robert F. Hickie has entered the University as a freshman in agriculture.

'20 Ph.D.—E. G. Anderson, who received his doctor's degree at Cornell in the spring, has accepted a position with Carnegie Institute. He is located at Cold Spring Harbor, Long Island, where he is engaged in genetic research in an attempt to work out some of the problems of evolution.

'20 Ex.—Albert Force, who had to leave the College last spring on account of poor health, is taking a six weeks' auto tour thru the Adirondack Mountains and Maine. He will return to the University in February to finish his course.

'20 B.S.—Zeno H. Baldelli is farming at Williamson.

'20 Grad.—Alfred Tophan, who is doing graduate work in the department of poultry marketing, spent the summer in Ohio, Indiana, and Michigan, inspecting packing houses from which carload lots of poultry are shipped. After attending the annual convention of the National Poultry, Butter and Egg Association in Chicago on October 18 and 19, he expects to return to the College and continue his graduate work.

'20 B.S.—"Al" Smoley is in Bayonne, N. J., where he is working for a nut margarine company. His address is, Y. M. C. A., Bayonne, N. J.

'20 B.S.—Irene Brewster is teaching home making in Newark Valley.

'20 B.S.—R. G. Knapp was married to Miss Chapelle of Port Byron during the summer. "Husk" is an instructor in the department of animal husbandry. The couple are making their home in Forest Home.

'20 B.S.—Ruth Nye is teaching home making at Gellae.

'20 B.S.—W. F. Baldwin is assistant in the department of dairy industry.

'20 B.S.—Cora Cooke, who specialized in poultry marketing while in the Uni-

versity, late in August accepted a position with the Detroit Baking Company, Detroit, Mich.

'20 B.S.—"Lou" Smith has accepted the position of assistant superintendent of the Blue Valley Creamery Company, at Louisville, Ky. His address is, 401 Y. M. C. A., corner of Third Ave. and Broadway.

'20 B.S.—A. M. Burroughs is a graduate assistant in the pomology department.

'20 B.S.—E. C. Knapp is acting as special agent of the Aetna Casualty and Insurance Company at Hartford, Conn.

'20 M.F.—John Everitt is with the United States Forest Service, and is engaged in selling timber in the Shasta Mountain Forest. His address is, U. S. Forest Service, Sisson, Calif.

'20 B.S.—H. B. Hoffman holds the position of floriculturist at Washington State College.

'20 B.S.—D. O. MacLeod is engaged in greenhouse work for the A. N. Pierson Company, of Cromwell, Conn.

'20 B.S.—W. P. Woodcock is building a large greenhouse at Spencer, Iowa, where he is in business for himself.

'20 Ex.—"Joe" R. Page is engaged as assistant manager of the Page Seed Company. The warehouses and office of the company are located at Greene.

'20 B.S.—Francis J. Oates has a good position at Norwich as manager of a recently organized ice cream company.

'20 B.S.—Hazel Harmon is teaching domestic science at Farmingham Manual School, Farmingham, Mass.

'20 B.S.—Jane Stone was married to Dr. Morris Scherago of Syracuse, September 5.

'20 B.S.—Louise Hamburger is supervisor of the dining room of the New York Telephone Company's Madison Square Exchange, New York City.

'21—Ray L. Hahn and Elizabeth Steer, A.B. '12, were married at the home of the bride's parents, 2 Leonard Place, Albany, on September 25. Rev. Henry P. Blake, grandfather of the bride, officiated. Wilfred F. Stoughton '21, was best man. After a honeymoon trip to the Berkshires they returned to Ithaca and are now living at 404 Eddy St.



Start Farming the Right Way

MANY of the things that you are learning in college now—in Farm Mechanics, Farm Management and Farming Methods—lead directly to greater appreciation of good farm implements. You are learning what every progressive farmer of today knows—that success in farming depends to a great extent upon the machinery used in the various operations.

From the first steel plow, fashioned by John Deere more than eighty-three years ago, up to the present time with its John Deere implement for practically every farming operation, John Deere tools have been built to solve profitably the problems of soil preparation, tillage, and harvesting.

Designed for the particular purpose for which it is to be used, built of high grade materials by workmen of long experience, every John Deere implement stands as an exponent of good farm machinery.

When you start farming, start right—
with John Deere tools.

JOHN DEERE, MOLINE, ILLINOIS



'20 B.S.—"Jimmy" Beiermeister is the eastern fieldman of the Park and Pollard Feed Company. This is the largest feed concern east of Chicago and Jimmy's business is to keep in touch with the dealers and aid them in solving any of their problems. His territory is east of Chicago and north of Virginia. His home address is Troy, New York.

'20 B.S.—Donald Hoagland, last year's business manager of *THE COUNTRYMAN*, is associated with Roy Barnhill, at 23 East Twenty-sixth Street, New York City, where he is soliciting advertising for *The College Magazines, Associated*.

'20 B.S.—Ed Davenport is farming with his father at Accord.

'20 B.S.—Ed Plass is running his father's farm at Poughkeepsie.

'20 B.S.—Ray Bell has returned to the College this fall to work for his master's degree in the department of dairy husbandry.

'20 B.S.—Jesse T. Van Dorn is farming with his father at Three Mile Bay.

'23-Ex.—P. A. Irish was married to Ethel B. Shoemaker of Lock Haven, Pennsylvania, on April 4.

Cattle at the State Fair

(Continued from page 70)

breeders cannot afford to go to more than one or two county fairs. One suggestion would be to establish futurities in the four leading dairy breeds. This cannot be done now since no plans have been discussed, but we merely want to publish the idea. This and a development of the county herd idea ought to strengthen our own state show alongside of the professional breeders.

California. Land of Co-operation

(Continued from page 72)

promote kinship and craftsmanship—distinct social assets."

One of the many other co-operative benefits derived by the grower is the establishment recently by the Exchange of a pest control bureau, which is centralizing an expenditure of \$1,500,000 a year. This bureau is materially aiding in organizing citrus fruit pest fumigation

and control and in making more effective the methods now employed.

Altho the California Fruit Growers' Exchange during its twenty-five-year period of activity has not actually made a profit of one cent, it has, nevertheless, saved to members millions of dollars thru its wonderful system of co-operation.

Taking the College to the Home

(Continued from page 75)

is based on mimeographed lesson-papers and directions for practical exercises to be done in the field. Completed lesson-papers and practical exercises are marked by men assigned to the work in each of the three departments, the mark is recorded, and the corrected paper is returned to the reader for his information. At the end of the courses, final examinations are given which are also marked, so that after one has finished there is available a mark for the course just as there is for resident students. The advanced study courses must be completed in one year.

Since the work was put into this form early last summer nearly a thousand persons have registered for the farm study courses and the report for September showed seventy-one readers of the three advanced study courses. These readers are from every walk of life—farmers; city persons who have back-yard gardens and some who haven't, but intend to go on a farm; lawyers who spend their Saturday afternoons cutting scions or selecting specimens to send in as a practical exercise in fruit growing; and many boys like the one who couldn't go to college. One man writes that he is a college graduate but ignorant of gardening—that he will go at his vegetable garden more intelligently next spring.

In some communities Granges, community clubs, and other organizations have registered as a group for one of the courses. In these cases, special arrangements are made to help them in group study and sometimes extension men are sent from the college to supplement their studies by lectures on the subject.



HARD THIS WAY
BUT—



EASY ON A TRACK
THE CLETRAC WAY

Help Them Start Right

EVERY year a great army of practical, business farmers are swinging 'round to the use of power.

You'll soon be in a position to advise new tractor buyers on the make and type best fitted to their needs. You're probably getting a line on tractors now. We want you to know the tank-type Cletrac.

The Cletrac is seldom idle. Two broad tracks carry it easily over snow and mud without sinking in or loss of power. It lines up readily to wood saw, feed grinder, stalk cutter, etc.—stays lined up, too, and its heavy-duty motor delivers a steady flow of economical power for all belt jobs.

Tank-type construction—short-turn ability—full-rated power under all conditions—simplicity and ease of operation—all combine to make the Cletrac a profitable year-'round farm unit.

We will gladly furnish you with valuable power-farming data. Write today.

The Cleveland Tractor Co.

"Largest Producers of Tank-Type Tractors in the World"

19123 Euclid Ave.

Cleveland, Ohio

One extension man who visited one of these clubs reported his trip as follows:

"Most remarkable farmers' meeting I ever attended. Everybody was there—old, middle-aged, young, and babies. Several babies slept on the beds while the meeting was in progress. Opening entertainment of thirty to forty-five minutes, music and recitations by the children—all good and in splendid spirit. After this the men and women separated for their study and the children had a third room for play. When the women finished their meeting they announced that they were ready to serve refreshments and of course we men were ready, too.

"If Cornell study clubs can bring communities together like this and impart such a helpful, enthusiastic spirit, they are the best things that ever happened."

Book Reviews

((Continued from page 78))

of these rescues to develop the thought

that although God has no direct power to foil evil doers, He can bring their plans to naught by setting in motion agencies to defeat them.

A plea for community betterment runs thru the plot. Mrs. Sinclair's plans for removing the loneliness of the farm folk are not original. She would include providing a common meeting ground for amusement and recreation in a community hall.

The characters seem fairly real and natural, though we sometimes wonder at Mrs. Sinclair's exceptional success in her unusual role. Since there is quite a strong plea for woman suffrage, however, this is in keeping with the nature of the book.

L. A. Z.

Mrs. Wilson's Cook Book

By Mrs. Mary Wilson. J. B. Lippincott Company, Philadelphia, Pa.

The recipes in *Mrs. Wilson's Cook Book* are easily followed, economical and palatable. With such clear and simple di-



SHIP EVERY CROP IN THE Universal Package



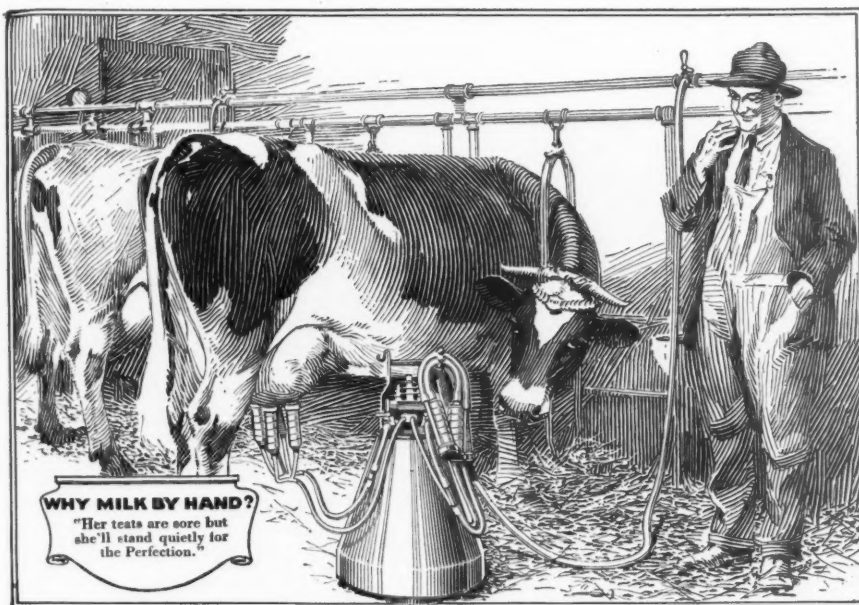
This standard bushel shipping container is equally adapted to every fruit or vegetable crop. Its great strength positively prevents injury from crushing. Its web is constructed so as to permit plenty of ventilation, making it an ideal package for storage purposes. Covers fasten without nails. Retailers prefer Universal Packages for display purposes, for their neat, clean appearance makes ready sales at top prices. Over 10,000,000 were used last year.

Write for prices and name of nearest dealer TODAY

Package Sales Corporation

210 S. Jefferson St.

South Bend, Indiana



"On the fourth day of the test the teats of my Junior Three Year Old got so sore I could no longer milk by hand. So I finished the test with the Perfection which she liked far better and was surprised to see a big increase in the milk flow. No more hand milking of test cows for me." —D. N. GEYER.

Cows Prefer Perfection to Hand Milking

UNDoubtedly you have had cows with sore teats. Remember how hard they were to milk and how they kicked when you milked them by hand? If you were to see those same cows stand quietly while being milked with a Perfection and increase their milk flow, you would be convinced that cows prefer the Perfection to hand milking.

Hundreds of Perfection owners tell us that their cows prefer the Perfection to hand milking. They stand for it quietly and give more milk. Cows prefer Perfection's action

because it is just like the calf's, a gentle suction followed by a downward squeeze, followed by a period of rest. And the Perfection can be adjusted to either hard or easy milkers.

You too will prefer the Perfection. It does the work of three men. It soon pays for itself in saving of wages. Get a Perfection for your cows and see how much better they like it than hand milking.

Find Out More About the Perfection

Send for a copy of our book "What the Dairyman Wants to Know." It's free. We shall also be glad to give you the names and addresses of Perfection owners near you. Why milk by hand? Cows prefer Perfection.

Perfection Manufacturing Company

2142 East Hennepin Avenue

Minneapolis, Minnesota

**PERFECTION
'MILKER**

Tell Advertisers Who Introduced You

**The Engravings in
The Countryman
are made by the
Ithaca Engraving Co.**

First National Bank Building
ITHACA, N. Y.

Commercial Photographers, Designers, Photo-Engraved plates in one or more colors for all Printing Purposes, Electrotypes, Advertising.

We have earned a reputation for excellence of workmanship, time of delivery, and price.

**ARTISTIC SKILFUL
COMPETENT**

For Farm Butter & Cheese Making HANSEN'S

Dairy Preparations

PURE, concentrated, ready to use, absolutely reliable. Giving uniformity best results in the country's finest creameries and cheese factories.

For Cheese - Making: Hansen's Rennet Tablets, Junket Tablets (for Cottage Cheese), Cheese Color Tablets.

For Butter-Making: Hansen's Danish Butter Color (4 oz. and 1 oz. bottles), Hansen's Buttermilk Tablets or Lactic Ferment Culture for perfect ripening of cream for butter and milk for cheese and commercial buttermilk. Sold by drug and dairy supply stores, or direct by

Chr. Hansen's Laboratory, Inc.
Little Falls, N. Y.

Interesting treatise "The Story of Cheese" by J. D. Frederiksen, free on request

rections the most inexperienced cook is almost certain of success. The great variety of recipes makes it possible to prepare very elaborate or very simple menus; and it is just the thing for the housewife who is always anxious for something new.

The explanations of principles involved and food values of different products are very helpful in planning nutritious meals. The fact that so many of the recipes tell the number of servings they will make is very satisfactory, especially if one is inexperienced.

Mrs. Wilson's wide experience in the culinary art and the time spent in instructing in domestic science make her well fitted to write such a book. E. C.

Use of Artificial Light to Increase Winter Egg Production

Reliable Poultry Journal Publishing Company, Quincy, Ill.

The subject of artificial illumination for stimulating winter egg production has already assumed nation-wide importance. Electric lights have been installed on poultry plants of all kinds thruout the country, and the use of illumination has long since passed the experimental stage. Recognizing this, the *Reliable Poultry Journal* has offered to the public a comprehensive treatise on the subject, dealing with it from the historical and theoretical as well as from the practical viewpoint. A large number of poultry experts from the agricultural colleges, as well as many commercial poultrymen, have contributed articles to the book, giving their personal experiences with illumination. Among the authors are, Professor J. E. Rice of Cornell, Professor Luther Banta of Massachusetts, Geo. R. Shoup of Washington, Professor J. G. Halpin of Wisconsin, Edward Brown of England, and many others.

The information given in the book will be of great value to poultrymen who are contemplating installing lights in their plants, and will help them to avoid many mistakes.

It shows, probably as well as anything

Say Where You Saw It When You Write.



Hercules Dynamite Saves Repair Bills

"Another day wasted, Jim—and a repair bill to boot. I tell you rocks and stumps are an expensive luxury that no farmer can afford to support when it costs so little to get rid of them.

"Last year, in plowing thirty acres which weren't cleared, I broke three plow points. The time lost in securing the broken parts was costly. Before I cleared that land with

HERCULES DYNAMITE

one and one-half acres a day was all I could plow—now I cover nine acres a day with a tractor.

"Better buy some Hercules Dynamite, Jim, and get after those rocks and stumps.

"Send to the Hercules Powder Co. for a copy of their 68 page illustrated book, 'Progressive Cultivation'. This book tells you all about the use of explosives on the farm—how to clear your land, plant trees, dig ditches, blast subsoil, and do many other things with the help of Hercules Dynamite".

Send for this book today—it's free.



*Hercules Dynamite is for sale by leading
Hardware and Implement Dealers.*



HERCULES POWDER CO.

1008 Orange Street, Wilmington, Del.

Gentlemen: Please send me a copy of "Progressive Cultivation." I am interested in dynamite for _____

Name _____

Address _____

Hercules Dynamite is for sale at leading Hardware and Implement dealers.

hitherto published, how great has been the service of the agricultural colleges in helping poultrymen to adopt scientific methods in the management of their flocks.

R. H. S.

Profitable Culling and Selective Flock Breeding

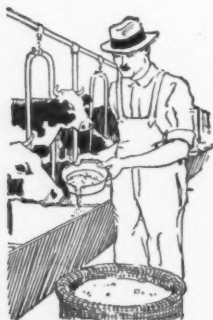
Reliable Poultry Journal Publishing Company, Quincy, Ill.

The introduction to this book tells of an anomalous situation which existed in the poultry industry during the years of 1917 and 1918. At that time, with the country at war, thousands of poultrymen went out of business. Many of those who remained in, however, reaped larger profits than ever before. The explanation for this lay primarily in the fact that the more enterprising poultrymen had adopted the practice of culling their flocks scientifically at frequent intervals, and by proper selective flock breeding

had so increased the egg yields from their birds that they were able to offset the existing high prices for feed. Thus did culling and breeding prove themselves two of the most important problems confronting the commercial poultryman. And the *Reliable Poultry Journal* could have made no better choice of subjects than these for its new book, just recently off the press.

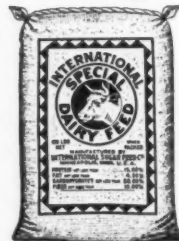
The book is a compendium of articles by various authors, among which are experts from many of the agricultural colleges, as well as several practical poultrymen. The many excellent illustrations which are given help greatly in making clear the points brought out in the articles.

Every poultryman would do well to read and study this book carefully. The poultry industry would undoubtedly be thousands of dollars better off each year if proper methods of culling and breeding were universally adopted. R. H. S.



This Way to Higher Milk Production

"Letting well enough alone" never pays the highest dividends. Give your cows a feed that will produce more milk than the feed they are getting now and you gather greater profits without working any harder.



INTERNATIONAL SPECIAL DAIRY FEED Makes Milking Make More Money

This feed is guaranteed to produce more milk than any other feed of similar analysis. Feed International Special and watch milk production go up two or more quarts per cow each day. You must be satisfied that you are feeding this feed at a profit or we'll make good the difference to you. International Special Dairy Feed merits *getting* immediately from your dealer, or from us if your dealer hasn't it.

INTERNATIONAL SUGAR FEED CO., Minneapolis, Minn.
Mills at Minneapolis and Memphis **LIVE AGENTS WANTED**

Say Where You Saw It When You Write

Natco Dairy Barns Are Warm in Winter

NATCO barns are warm in winter, yet cool in summer. They provide year-round comfort for your cows. More comfort in the stable means more milk in the pail—more money in the bank.

The hollow spaces in a glazed Natco Hollow Tile wall provide a blanket of still air through which heat, cold or dampness will not pass.

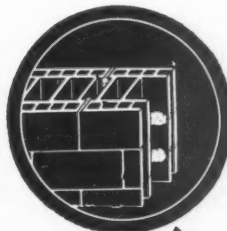
And the cost? Perhaps a little more at first, but *far less* in the end than for other construction. The saving in insurance and upkeep will repay the added investment within a few years. All further savings are clear profit.

Whatever you intend to build, our book, "Natco on the Farm," will offer helpful suggestions. Write for it today—*no charge*.

Ask your building supply dealer to quote you prices on Natco Hollow Tile.

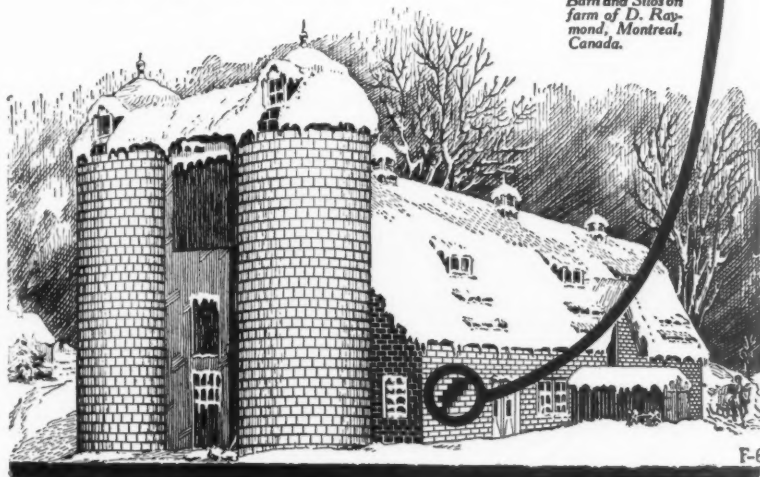
National Fire Proofing Company
1136 Fulton Building
Pittsburgh, Pa.

23 Factories assure a wide and economical distribution.



Section of Natco
Wall showing
still air spaces.

Barn and Silos on
farm of D. Ray-
mond, Montreal,
Canada.



Say Where You Saw It When You Write.

IF YOU ARE **Wise** YOU WILL BUY

Your Seed Potatoes this Fall Grown from

Unblighted Vines

Our Field is **As Green** today, October 6,

As in July

Our RUSSET RURALS have passed all three certification inspections this season just as they did last year. They are the product of SIX YEARS BREEDING for quality, type, yield, and disease resistance.

DO YOU REALIZE WHAT EFFECT THE PAST TWO WEEKS WIDE SPREAD AND EXCESSIVE BLIGHT DAMAGE will have on the spring price of seed? Have your farm bureau man look up your seed and arrange for a carlot order thereby saving freight and danger of freezing in transit by use of a refrigerator car.

This Seed Will be Sold This Fall

Write today for sample, price and yield

CROSS BROS., Growers

Fayetteville

New York

Say Where You Saw It When You Write.



What We Found Out

Health Conditions a Big Factor

The Quaker Oats Co.
Gentlemen— I must say to you frankly that in my letter to you concerning feeding of Holstein Friesian Cows on my Arden Farms, I overlooked the most important factor, which I wished to bring out. I do not believe in a high protein ration. After the experience I have had, it is my judgment that breeders do not place enough importance upon the maintenance part of the ration of a cow. To secure a maximum yearly production means that a cow must be kept in good physical condition, nothing must be done to tear down the structure. It is my judgment that too much protein is injurious. There is good chance for argument as to just how much protein a cow should have, but I do not wish to engage in a discussion of the fine points, but I believe that a small amount of protein is better than too much, if one expects to have cows go on year after year and maintain their good health and produce their maximum of butter and milk. We mix most of our feed ourselves with the exception of SCHUMACHER FEED and BIG "Q" DAIRY RATION, with which we have been very successful.

ARDEN FARMS, St. Paul, Minn.

Yours very sincerely,
(Signed) J. M. HACKNEY.

SCHUMACHER FEED AND BIG "Q" DAIRY RATION

Wherever SCHUMACHER FEED and BIG "Q" DAIRY RATION are used you will find a herd that produces to the satisfaction of the owner. Holsteins—Jerseys—Guernseys—cows of every breed alike testify to the value of these result-producing feeds. 36

of the World's Champion Dairy Cows have made their wonderful records with the aid of these feeds.

Fed in combination they make an ideal ration—one which you can readily regulate as to amount of protein and carbohydrate content to suit the needs of each individual cow. Their palatability, high digestibility, variety and bulk, induce cows to eat heartily and produce heartily. With SCHUMACHER FEED as the maintenance part and BIG "Q" as the protein part, you have a ration that will give you maximum long time milk production and ideal health conditions in your herd. A few weeks trial will convince you. Order from your dealer. If he can't supply you, be sure to write us.

The Quaker Oats Company

Address: Chicago, U. S. A. (118-S)



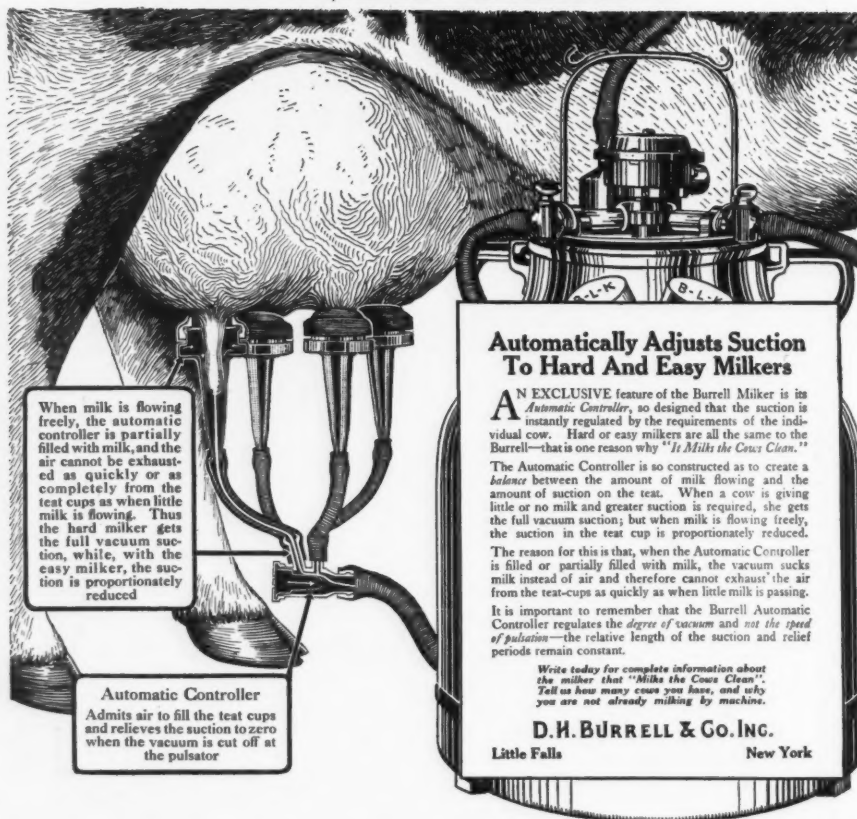

Tell Advertisers Who Introduced You

BURRELL

TRADE MARK

B - L - K

MILKER



When milk is flowing freely, the automatic controller is partially filled with milk, and the air cannot be exhausted as quickly or as completely from the test cups as when little milk is flowing. Thus the hard milker gets the full vacuum suction, while, with the easy milker, the suction is proportionately reduced.

Automatic Controller

Admits air to fill the test cups and relieves the suction to zero when the vacuum is cut off at the pulsator.

Automatically Adjusts Suction To Hard And Easy Milkers

AN EXCLUSIVE feature of the Burrell Milker is its *Automatic Controller*, so designed that the suction is instantly regulated by the requirements of the individual cow. Hard or easy milkers are all the same to the Burrell—that is one reason why "*It Milks the Cows Clean*."

The Automatic Controller is so constructed as to create a balance between the amount of milk flowing and the amount of suction on the teat. When a cow is giving little or no milk and greater suction is required, she gets the full vacuum suction; but when milk is flowing freely, the suction in the test cup is proportionately reduced.

The reason for this is that, when the Automatic Controller is filled or partially filled with milk, the vacuum sucks milk instead of air and therefore cannot exhaust the air from the test-cups as quickly as when little milk is passing.

It is important to remember that the Burrell Automatic Controller regulates the degree of vacuum and not the speed of pulsation—the relative length of the suction and relief periods remain constant.

Write today for complete information about the milker that "*Milks the Cows Clean*". Tell us how many cows you have, and why you are not already milking by machine.

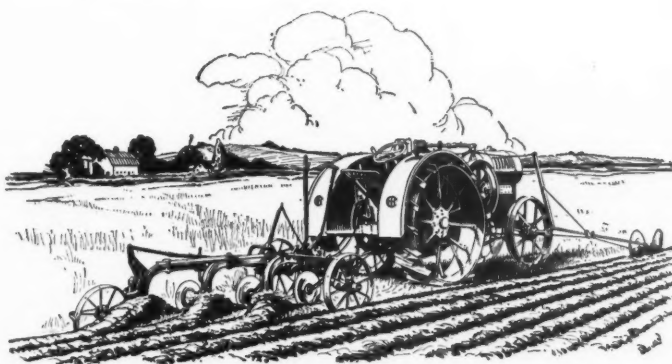
D. H. BURRELL & CO. INC.

Little Falls

New York

"It Milks the Cows Clean"

Tell Advertisers Who Introduced You



Clean Furrows---

Behind P & O Little Genius Tractor Plows you will always find clean, smooth furrows of uniform depth and width; with weeds and trash tucked snugly under the freshly-turned blanket of soil.

Bottoms that scour under adverse conditions; quick detachable shares that enable you to replace dull shares with sharp ones in a hurry; a positive power lift that gives a high level clearance—plows are raised high on three wheels, ridding bottoms of all trash; sure penetration, the whole weight of the plow being utilized to force the bottoms into the soil—these are some of the features that account for P & O Little Genius satisfaction and clean furrows.

Aside from P & O Little Genius tractor plows, which are made in 2-, 3- and 4-furrow sizes, the P & O line contains Mogul power-lift tractor plows ranging from 4 to 8-furrow sizes, tractor grub breaker, and riding and walking horse plows of many types—a plow for every soil and for every plowing purpose.

Two famous reputations—*P & O* and *International Harvester* stand back of every P & O plow and are assurance of efficient, satisfactory service from these plows and dependable after-sale service at all times, in any emergency.

INTERNATIONAL HARVESTER COMPANY

CHICAGO

OF AMERICA
(INCORPORATED)

U S A

92 Branch Houses in the United States

Tell Advertisers Who Introduced You



Whisper It Far and Wide That:

THE CORNELL COUNTRYMAN is the official organ of the Alumni Association of the College of Agriculture.

It gives you the latest reports of the work and plans of the College.

All the news—both personal and impersonal—of the College is contained in the CAMPUS COUNTRYMAN printed in the newspaper form in the back part of the magazine.

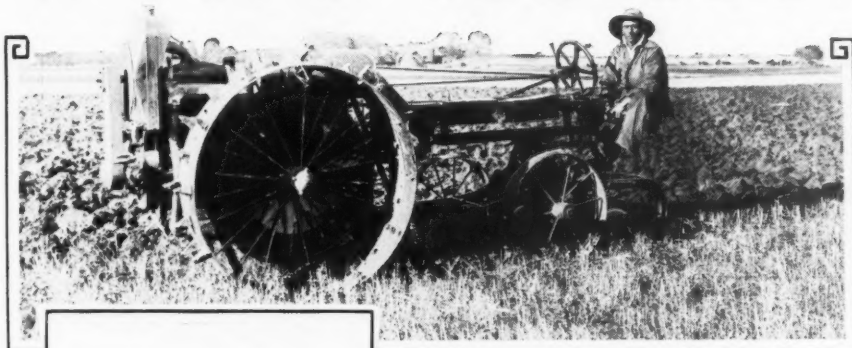
The subscription price is still one dollar a year, providing nine issues—October to June, inclusive.



Say Where You Saw It When You Write.

MOLINE

The Universal Farm Power Plant
WINS AGAIN



The Moline is unique in the tractor field—made so by our patent protection.

LAST year Ben Davis, five times champion with horse-drawn plows, won the Wheatland Plowing Match in owners' class with a Moline Tractor.

Again this year the same team wins!

Ben Davis won sitting on the seat of his plow, where he could watch the work and make instant adjustments to meet varying soil conditions.

Mr. Davis is a great plowman, and the Moline a great farm unit. They made an unbeatable combination.

The Moline is now offered as a 3-2 Plow outfit.

3 Plows for ordinary conditions which prevail in most sections of the country.

2 Plows for extreme conditions and unfavorable seasons.

It is the correct farm power plant, doing all belt and field work, including cultivation, with one man.

If desired you can use the "Drag behind" or horse drawn implements you now have with the Moline Tractor the same as with other types of tractors.

See Your Moline Dealer or Write Our Nearest Branch at:

Moline
Atlanta
New Orleans
Dallas

Oklahoma City
St. Louis
Poughkeepsie
Baltimore

Los Angeles
Indianapolis
Stockton
Spokane

Portland
Salt Lake City
Columbus, Ohio
Denver

Kansas City
Omaha
Minneapolis
Jackson, Mich.

Sioux Falls
Des Moines
Bloomington, Ill.
Memphis

MOLINE PLOW COMPANY, MOLINE, ILLINOIS

TELL SOME ONE

THAT the New York State College of Agriculture has a Winter Course for any folks with a good common-school education, eighteen years or over.

THAT the College offers courses in many branches of agriculture, and home economics.

THAT the College has the best of equipment for this work and an adequate teaching force.

THAT tuition is free to residents of New York State and that living expenses are not high.

THAT this institution has a beautiful campus and that there are opportunities for sports and for social life.

THAT the Winter Course opens November 10, 1920, and closes February 19, 1921.

THAT applications should be made at once for a circular giving full particulars, by addressing

Dr. R. P. Sibley, Secretary
College of Agriculture
Ithaca, New York



How to Feed for an Egg Harvest Now!

Grain feeds alone are not sufficient because they don't contain enough protein to make a white to go with each yolk developed. As yolks can't be laid without whites, a large number of them are not laid at all, but are absorbed back into the hen's system as fat, when she is fed grain only. Corn, kafir, wheat and barley in equal parts contain material for 239 yolks and only 147 whites to the 100 lbs. of feed. Contrast that with Purina Chows—

	Yolks	Whites
50 lbs. of Purina Hen Chow contain	123	71
50 lbs. of Purina Chicken Chowder contain	91	141
100 lbs. of the combined ration, half and half, contain enough material for	214	212

This perfect balance shows clearly why the Purina Mills are able to guarantee

MORE EGGS OR MONEY BACK

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The Campus Countryman

Around the
Top of
"The Hill"

Volume II

November, 1920

Number 2

Fifty Dollars Still Seeking Its Owner

Kermis Committee Trying Hard to Give Away Money—No Luck Yet

Manuscripts for the Kermis play should be handed in to the committee by noon of November 27. The usual prize of fifty dollars will be given to the writer of the play chosen.

The Kermis play has for a long time been an important part of the Farmers' Week program. Up to 1918 the Kermis was produced by students of the College of Agriculture, but the manuscript itself was not written by them, being chosen for the occasion, from any source, by a committee of the faculty. In 1918, however, a prize of fifty dollars was offered to students in the College of Agriculture for the best original play or pageant submitted, provided that it was worthy of presentation. In 1918, and again in 1920, the prize was won by Russell Lord '20; in 1919 it was won by E. B. Sullivan '19. Last year's Kermis play, "All Thumbs", by Russell Lord, was presented the second week in February before an audience of two thousand persons.

All Ag Students Eligible

The play or pageant must be a portrayal of country life. The competition is open to any undergraduate in the College of Agriculture, or to any graduate student who is taking his major work in the College. Each play must be of such length as to be presented in about an hour. The manuscript should be neatly typewritten, double spaced, signed with a fictitious name or number, and accompanied by a sealed envelope bearing the fictitious name or number and also containing the author's real name. The competition is already open, and plays may be submitted at any time up to the closing date, noon, November 27. Dean Mann will appoint a committee which will be allowed one week following November 27, in which to judge the manuscripts submitted. If any manuscript submitted merits the prize, in the judgment of the committee, the College reserves the right to use the play for publication and free distribution in the State.

Students eligible to enter the competition are urged to do so. The chances of winning the prize are unusually good, owing to the fact that none of the students who have

Honor Roll Graduates of the College for 1919-20

SOPHOMORES

Hoyt Samuel Ackles
Alice Alma Christine Carlson
Irene Dorothy Dobrosky
Herman Price Everetts
Sarah Fox
Mary Beatrice George
Johan Andries Groenewald
Olive Rilla Jones
John Horner Kilby
Henry Ernst Luhrs
Anna Mabel McGlynn
Gertrude Mattson
William Guy Meal
Miles David Pirnie
Elmer Vanderzee Shear Jr.
Phillip Carman Wakeley
Harvey Adelbert Weaver
Gladys Elizabeth Wellar
Christina Valeria Williamson

JUNIORS

Floyd Jay Aber
Hempstead Castle
Roger Bailey Corbett
Sterling Howard Emerson
Martin Frobscher Jr.
Ray Lester Hahn
Catherine Wickoff Harris
Martha Toscan Parrott
Lloyd Story Passage
William Oscar Skinner
Nathaniel Allan Talmadge
Lydia Phylancy White

SENIORS

John Benjamin Bennett
Lillian Ford Brotherhood
Albert Hopkins deGraff
Russell Warren Gray
Mrs. Ethel Kinckley Hausman
Freeman Smith Howlett
Earl Dewight Merrill
Walter Scott Miller
James Beckley Palmer
Bernard Smit
Gerald Ambrose Turner
Irene Augusta Zapf

competed in former years are now in the University.

The members of the cast of the play will be chosen by an open competition among the students of the College, the competition to continue until Christmas vacation, when the final cast will be chosen. Dean Mann will appoint a competent coach to conduct the competition and drill the members of the cast. Last year about fifty students tried out for the eight main characters in the play.

Copies of the rules governing the contest may be obtained from Professors Adams, Everett, or E. J. Crosby.

Yale Professor Speaks At Honor Convocation

Professor W. L. Phelps Talks on Happiness—Makes Us All Feel Like Living a While

Professor W. L. Phelps of Yale University spoke at Convocation Hour held at 12 o'clock on Friday, October 15, in honor of those students who had the best scholastic standing for the year 1919-20. Formal invitations were sent out to the students honored, but seats were not reserved for them, and they were not put "on exhibition". The names of the students in the College of Agriculture who are on the honor roll are in the column to the left.

Declares Ithaca a Safe Place

Professor Phelps spoke on the subject, "Culture and Happiness", in a convincing and thoroly entertaining manner. In beginning his address he defined happiness, stating that "the happiest person is the person who thinks the most interesting thoughts". Continuing in that strain, the speaker discussed virtue, and its virtual dependence on the standards outside. He told of the man who could not be removed from his virtuous stand for five hundred dollars, but who did begin to shake a bit at several thousand. But, declared the professor, "there are men here who would be just as safe in Paris as they are in Ithaca".

"Many carry happiness around as an external thing, easily lost . . . Happiness is too often connected with material things . . . The seat of happiness is in the mind."

Age Brings Happiness

After thus telling what happiness is, Professor Phelps linked up culture with it, saying that "A correct taste for art, literature, and science insures one's happiness". He amplified this statement at length, dealing with each of the three parts. Particularly did he strive to impress the audience with the happiness that comes in old age, when one can reap the benefits of a cultural education. "You lose illusions as you grow older, but you gain ideas—the most exciting, interesting life—that exists . . . As we grow older we see life as it really is. Our eyes grow achromatic."

Professor Fisk is absent on sabbatical leave doing experimental work for the DeLaval Separator Company.

Foresters Indulge in Lengthy Session

First Meeting of Year Brings Out Sixty Men

The first meeting of the Forestry Club took place Thursday evening, October 7. The foresters' clubroom on the top floor of the forestry building held about sixty men when President Vettel began proceedings. The verdant freshmen were out in force, and their elder brothers soon made them feel at home, showed them the Club's trophies, and also the woodpile. The fine points of carrying firewood were easily assimilated by the yearlings. With a roaring fire in the big stone fireplace, the meeting was called to order.

Sleighrides and Dances Planned

Election of officers brought out lots of keen competition; the results were close thruout. When the smoke had subsided it was learned that T. T. Buckley '21, had been elected president; A. S. Herzig '21, vice-president; W. Simonds '21, treasurer; and H. J. Donovan '21, secretary. The business of the meeting disclosed an unprecedented program of events for the year. All plans are tentative and will shape up to better advantage after the next meeting. However, the foresters have outlined a schedule replete with events. There will be a big outdoor campfire in the immediate future, a dance soon after that, and a bigger and better Christmas banquet this year than ever before. A sleighride and a dance is planned for the first fall of snow, and the distant spring season will be crowded with activities, according to the arrangements of the entertainment committee. A club orchestra is another innovation this year.

How They Did Eat!

After the adjournment of the meeting the professors of the department addressed the fellows. Prof. Hosmer gave his annual talk to the incoming class, outlining briefly the club's history and telling a few good stories touching on the life of a forester. The mention of eats drew thunderous applause from the assembled ridge-runners. Much eating and drinking followed. After the last doughnut had found its place and the cider keg was as dry as a twelve o'clock lecture in math, the "profs" and seniors gathered in conclave to discuss the prospects. And when the first meetings of other years were recalled, it was agreed that this year's start was about the finest ever.

Cornell Represented As Ag Colleges Meet

A meeting of all the leading representatives of the colleges and experimental stations of America was held at Springfield, Mass., starting on October 19. The College was represented by Dean Mann and Pro-

Four Men in a "Flivver" Go From River to River

Stanley B. Duffies, former circulation manager of THE COUNTRYMAN, I. H. Houston, R. K. Felter, and K. C. Estabrook have just completed a coast to coast trip in a second hand "flivver". They left Ithaca June 25 and went to Kansas, where they harvested wheat for a month. Following this they took the flivver to the top of Pike's Peak, visited Yellowstone National Park, Mount Rainier, Crater Lake Park, Yosemite National Park, and the Colorado Canyon. They toured the Pacific coast from Seattle, Wash., to Los Angeles, Calif. Their return trip was made in record time. In spite of the fact that they stopped two days in Grand Canyon Park, they arrived in Washington, D. C., September 25, fourteen and one-half days after they left Los Angeles. Traveling night and day, the trip from New Mexico to Washington was made with only one camp. In all, they covered about ten thousand three hundred miles, and, marvel of marvels, they returned with the same "flivver" in which they started!

fessors Van Rensselaer, Betten, Burritt, Works, and D. J. Crosby. D. S. Kimball, dean of the College of Engineering, represented that college.

The main topics for discussion were: "Education," and "methods of education". Particular stress was laid upon extension teaching and the training of extension teachers. The Cornell delegates met on October 20. Dean Mann was the vice-director.

Glista Ernestine Wearing Mostly Black

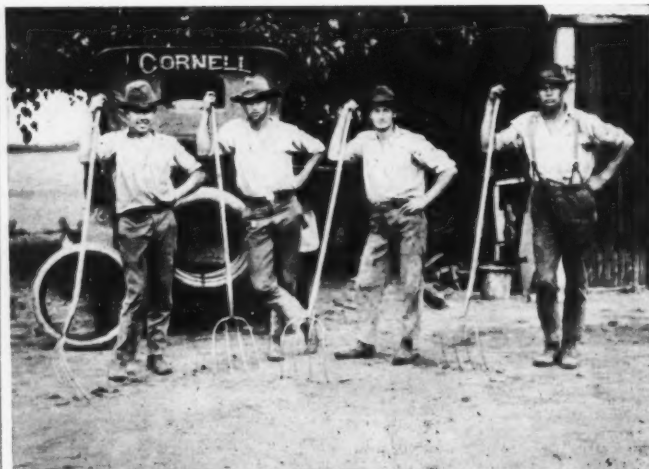
Mourns Because Her Son Refuses to Play the Prodigal

Glista Ernestine, honor cow of the Cornell University herd, and who, according to a New York daily, is "the only cow in the world to have made thirty pounds of butter in seven days for six weeks", has entered into a period of deep mourning for her infant son, who has been away from her side for several months. Ernestine is wearing black almost altogether.

The aged matron's grief was occasioned in this wise. It was found necessary to move the pride of the old lady's heart from a corner pen to one in another part of the barn. In this removal the youngster was led past Ernestine's spacious boudoir. The sight of her loved one caused numerous lumps to appear in her throat. It was apparent to the most casual observer that she was too full for utterance. Nevertheless, the music of her favorite lullaby came gently and softly from her jaws.

David Lumsden Resigns; Goes to Washington, D. C.

Professor David Lumsden of the department of floriculture, who has been spending his summers in Washington, D. C., on work for the Walter Reed Hospital, an army post, has resigned his position in the College to become professor of horticulture, and landscape architect of the post.



From left to right: S. B. Duffies, K. C. Estabrook, I. H. Houston, and R. K. Felter. Four of our recently created alumni who traveled from coast to coast and back again in a second-hand Ford, making over ten thousand three hundred miles



The one and only "Dickie" Dom Econ. still able to eat and howl

An Hussites Start Annual Round-Up

The first regular meeting of the Round-Up Club, for this year, was called to order by Mr. Haines in the An Hus building, Monday evening, October 11. Thirty-five men were present and affixed their names to the roll book. Professor Harper, acting head of the department, made the leading talk of the evening.

Professor Harper told of the origin and growth of the club, starting with the period when the Ag college was in Goldwin Smith and Morrill Halls, or as brought forth in an anecdote, had yet to emerge from Dean Bailey's famous silk hat. The fundamental principles for which the club was founded, as outlined by Professor Harper, were to provide a hearthstone for a mutual meeting place of faculty, students, and strangers interested in animal husbandry.

In 1911 a project was inaugurated for putting on a live stock show during Farmers' Week under the auspices of the Round-Up Club. The scheme met with success, warranting its continuance on the Annual Farmers' Week program, and in recent years has proved itself to be one of the real live points on the calendar.

Hinman Strong in Session

Roy Allanson '21, was elected temporary chairman for the next meeting, at which time the officers for the year will be elected. Mr. Hinman led off in the general dis-

cussion that followed the regular business of the meeting, and was followed by various members, who told of experiences during the summer, or took the occasion to air their pet opinions on all classes of animals.

During the discussion, apples, cigarettes, cigars, and corn cobs with the filling were passed around. The meeting adjourned in a cloud of smoke.

Extension Service Farm Shop School Organized

The rural engineering department of the College of Agriculture has organized a new extension school in farm shop work. This school will include a number of subjects, including harness repairing, belt lacing, rope work, riveting, soldering, and timber saw filing. Demonstrations will be given and the farmers will then do their own repairing under the direction of the men in charge. Much special repair equipment will be taken along and sold to the farmers at cost.

This is the first school of its kind ever tried in this section of the country. Tuition costs seventy-five cents, to help cover costs of registration and printing. Instruction lasts for two days. The school goes out in about a month from now and will probably be under the supervision of F. G. Behrends '16, of the rural engineering department.

"Dickie" Dom Econ Still The King of Them All

Child Holds Whip-Hand Over Home Economics

Richard, the ward of the home economics folks, is back at the practice house. He is six months old and a living example of all the things a properly fed, properly cared for baby should be. Needless to say, he reigns supreme at the practice house. He gives the students taking the house practice course much experience in the care and feeding of a child.

For many years, seniors in home economics have been required to take the house course as a part of their household management work. Students, in groups of five, live in the practice house with an instructor for a period of four weeks. They divide the duties of cook, assistant cook, waitress, housekeeper, and hostess among themselves, and are allowed a stated weekly income, which must cover their expenditures for food, gas, electricity, ice, and laundry. They plan their own menus, subject to the approval of the instructor, determine costs, keep the accounts, and pay the bills for the group. At the end of four weeks, the management is turned over to the next group.

Has Thrived and Flourished

Last spring Richard, then three weeks old, was added to the house practice problem, and the position of "mother" became the daily assignment of one member of the group. He was secured thru a charity organization in Syracuse. Notwithstanding that his care, feeding, clothing, and general welfare have been in the hands of senior students under instructors, Richard has thrived and flourished. He hails each group of seniors with enthusiasm as it comes and goes, and apparently loves each of his half a hundred mothers equally. Visitors and returning former students will wish to meet him while they can.

Publications Storehouse Up

A building for the storage of the publications of the College is rapidly nearing completion. The old building, near the East Ithaca station, was destroyed by fire early in the summer. The storehouse now being built is located just north of the university barns, and will do much to relieve the congestion in the basement of Roberts Hall, where publications are now stored.

Inter-college soccer will take the place of gridiron this fall. Twenty-eight games are scheduled for the season. Following is a list of Ag games: October 21, Law; November 3, Law; November 10, M.E.; November 17, C.E.; November 23, Chem.; November 30, Vet.; and December 2, Arts.

THE CAMPUS COUNTRYMAN

Devoted to Neighborhood Happenings at the Top of "The Hill"

Published on the first of each month during the school year by THE CORNELL COUNTRYMAN, Inc. Contributions should be in the hands of the Editor by the fifteenth of the month previous to the date of issue. Say what you want and sign it, indicating whether you want your real name used, or another one.

JACK FLEMIN', Editor

Vol. II November 1920

A Challenge

Folks, all of us in this college are confronted by a direct challenge to determine whether or not we're men and women or just a conglomeration of spineless, spunkless jelly-fish. In plain English, here is the question: Do we believe in honor, be it by system or otherwise, or do we feel that we are not capable of assuming the responsibilities connected with the acquisition of a sense of honor?

In a sense, it is up to the College of Agriculture, along with the Colleges of Law and Civil Engineering, to pave the way for a university honor sentiment. We did not say honor "system," because we believe that the system is merely a practical means to an end. The time will come, or rather, the time must come when student sentiment alone will be able to control the problem of fraud in examinations, as well as in other student affairs. Until our feelings can be thus interpreted, the system is essential.

Without a shadow of doubt, the folks in our community will accept the challenge and work for it while they are able. But, we must realize that there is one type of student that is hardest of all to convince—the *biase* individual. For that gentleman can't seem to see the seriousness of the situation. What we have to do is to dig down deep under his skin and make him squirm; make him think that after all he is an important factor in the life of Cornell University.

A Communication

A gentleman (undoubtedly), under an assumed name, has written a delightful little spasm entitled "Nightfall on the First Day of Registration." Now this poem was submitted for our consideration and publication. But—and we say "but" with tears of distress and a hacking cough—we cannot publish a poem on so dark a subject. The

author has written with charming ease and in an enticing manner, but, again, and yet again, we must pass the contribution by. Our chief objection, we repeat, is that the whole purport of the thing is too shady, painted in terms too contrasting for the rest of the poem. Now, if the gentleman can see the light a little more clearly in any future spasm, we shall, perhaps, have no qualms of conscience about its publication.

A Lost Art

The art of reading for the sake of enjoying and appreciating good literature seems to be a lost art for the average university undergraduate. What good literature we do read is completed under compulsion, being required by the various courses. Beyond that, our tastes suffer a mighty decline; our reading is devoted exclusively to the sentimental mush of the popular American magazines. In other words, we can't seem to find that wholesome sense of balance between the reading of real literature and they - were - married - and - lived - happily-ever-after type of rot.

It seems odd that such a subject should need discussion in a university community; and yet, when we consider the widely different courses studied, many of which are purely technical, the importance of such discussion cannot be over-emphasized. The modern tendency in education seems to bend toward specialization, often too much so for the good of the student. This may aptly be compared to a man's digging a hole in the ground, getting down in it, and studying the floor of that cavity microscopically, to the exclusion of the rest of the world. When he does venture out into the wide world he seems sadly out of place.

The remedy for over-specialization lies largely in the hands of the student. He cannot expect to receive the more liberal studies in his technical course. Wherefore, he must liberalize himself by a wide range of reading to stimulate his imagination and thought along the diverse and varied channels of the affairs of human beings.

Snakes

It seems that the good old title of "snake" is still used around The Hill. Now, strange to say, some of our neighbors are not entirely cognizant with the meanderings of the student's language. Well, it then seemed our heathen duty to pluck away the fuzz from their eyes. Our almanac tell us: "A snake is a sort of sibilant, superfluous skunk; in Cornell, a being taking his majority in Sage, Risley, and the Conservatory." Oh, St. Patrick, a word with thee!

Professor O. G. Brim has been added to the staff of the rural education department. He will have charge of the work of school supervising and principles of teaching. He has just received his degree of Ph.D. at Columbia University.

THIS 'ERE & THAT 'AIR

It is said that water is so scarce in some parts of France that sheep have to be taught to drink wine. Oh, for the life of just one little lamb!

At a recent football game here several of the players used some of the language of the Scriptures, clearly indicating their wide acquaintance with the Good Book.

Steady, folks, here's a batch of scandal all about Dean Mann. This "dope" has just eked out thru an unknown passageway, and, of course, came on over to this section of the country. But we can't tell you more than the half of it, in this wise:

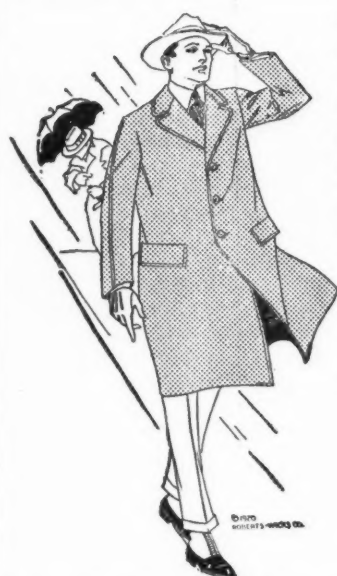
It seems that the faculty of the College held a party over in Dom Eoon a while back. Everybody was there from the Dean and his wife to the purveyor of this scandal. (Our natural modesty forces us to place ourselves last.) Then, that childish faculty of ours had to go and bring Dean Mann up before their court on charges of all sorts of things. But to cap the climax, look at this jury! How any man could get thru with his neck whole would be a mystery. They called themselves a grand Cornell jury. They will please rise as their names are called:

"Miss Van" Martha Renssalaer
"Hi" Henry Wing
"Dick" Crosby
"Clara Bill" Nye
"Georgie" Cavanaugh
"Professor Flora Dora" Rose
"Gas Engine" Riley
"Tom" Lyon
"By Gar, Himself"
Doctor "Dairy Formula" Warren
"Caruso" Myers
We can go no farther.

"Things ain't what they used to be" out there in An Hus this year. No more the gentle tones of Neighbor Hiram's voice; no more the rare delight of hearing simultaneously a lecture by one man and a telephone call by another. No more can the telephone girl down in Morrill stick her head out of the window and receive the calls from An Hus.

What an infinitely powerful and commutative thing is tact, the fundamental of diplomacy! Some of us seem more inclined toward tactfulness than others. Recently, during a field trip on which were a goodly number of girls and fellows, the instructor aptly remarked: "Thus far the spirit of the class has not been very admirable. Now we're going to have some rough walking, so I'd like you folks to show a little more co-education."

Silence, sweet silence, friends!
E. D. II



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LAST PLACE UP THE HILL

Tell Advertisers Who Introduced You

Home Economics School Opens Costume Shop

Purely Educational Enterprise to Train Students

The school of home economics has opened a costume shop as a laboratory for students who are to teach clothing in vocational schools. Under the Smith Hughes Law, which appropriates certain sums of money for vocational education, many vocational schools have been opened thruout the country. Young women preparing to teach in these schools must have had shop practice in the particular line of work in which they are to engage. The costume shop gives the students specializing in vocational clothing work the same opportunity for shop practice that the home economics cafeteria affords the students specializing in institutional work.

The west end of the cafeteria in the basement of the home economics building has been given over to the costume shop. By means of partitions, large and airy work, fitting, and reception rooms have been provided. The shop is furnished with the equipment of the modern costume shop and is under the supervision of Professor Beulah Blackmore, head of the clothing work in the school of home economics. The work in the shop is directed by Mrs. Carolyn McIlroy and Miss Frances Brookins, both of whom have had considerable experience in shop management. Students taking shop work under Mrs. McIlroy gain experience in meeting customers, selecting and combining materials, cutting and fitting as well as managing the shop and directing the seamstresses. The shop, altho it conforms to actual trade practices, is operated as an educational enterprise for the training of students; it is in no way a commercial undertaking.

Dairy Department Helps Local Farmers

The dairy department has won the thanks of the local farmers by its prompt action in coming to their rescue when they lost their milk market. When the Nestle's Food Company closed the local condenser on October 1, over 300 farmers were deprived of a market for their milk. The dairy department immediately announced that it would do what it could to meet the situation. In a few days it had adjusted its teaching plant so that milk is now being received from 252 farmers, delivering some 3000 pounds of whole milk, and as high as 4500 pounds of cream daily. The product thus received is being manufactured into butter and cheese, and disposed of on the local market.

W. P. Alexander is on the lecturing faculty of the municipal museum at Buffalo, affiliated with the University of Buffalo. He was formerly instructor of biology in this college. His address is: Municipal Museum, Buffalo.

DOM ECON

So many changes and additions have been made in the staff of the school that it has been almost necessary to hold a get acquainted party this year.

Professor Flora Rose, associate head of the school of home economics, and Professor Annette J. Warner, of the division of housing and design, will be on leave-of-absence during the first semester, 1920-21.

Miss Lillian M. Allen has been appointed instructor in clothing and textiles. Miss Allen holds the degree of B.A. from Meredith College, Raleigh, N. C., and B.S. from Teachers' College, Columbia University, and has had ten years' teaching experience, largely in North Carolina schools.

Mrs. DeNell L. Benner of Ithaca has been appointed assistant in the reading courses. Mrs. Benner is a graduate of the Kansas State Agricultural College and of the Lansing Business College, Lansing, Mich., and holds the degree of B.S. in home economics.

Miss Frances A. Brookins of Lockport comes to the school as assistant in the costume shop, in the division of clothing and textiles. She is a graduate of the New York Industrial Teacher Training Course at Rochester, specializing in dressmaking, and has had several years' experience in shop practice.

Miss Marion F. Fleming of Albany, instructor in household management, will be in charge of the home economics lodge. She holds the degrees of B.A. and M.S. from the New York State College for Teachers, where she specialized in foods and nutrition.

Ruth M. Jakway of New York City, who has been appointed instructor in clothing and textiles, received her training at Lake Forest College, Lake Forest, Ill., the University of Nebraska, and Teachers' College, Columbia University. She has a B.A. degree from the University of Nebraska and an M.A. from Teachers' College.

Mrs. Carolyn McIlroy of Rochester will be in charge of the costume shop of the division of clothing and textiles. She has had a long and successful experience in the best dressmaking shops of Rochester.

Flora Thurston, who has been on leave-of-absence from the school since last Christmas, has returned and will take charge of the laboratory and field work of the extension class. Miss Thurston will also have supervision of the home correspondence course which will be conducted in connection with the reading course for the home.

Lolita Evelyn Healey, instructor in accounting, was married to Frederick R. Georgia on August 21. Mrs. Georgia will continue her work with the school.

Noted Englishman Describes Cornell

Novelist and Journalist Calls Cornell "Youth's Paradise"

The October number of *Current Opinion* contained an article by Henry W. Nevins, noted English novelist and journalist, in which he describes his impressions of the United States. In this article Cornell University was described in the following manner:

A few weeks later, Mr. Nevins had to travel from New York City to Ithaca. Following the fashion, he went by night. "The horror of dust and ignorant darkness," he writes, "of shocks and jolts and hootings and the stifling heat of a curtained berth, was partly compensated by the joy of leaving the train in the clear air of sunrise and looking out upon the quiet green hills where Cornell University stands." Then he says:

"Surely no university in the world is more beautifully placed. On the summit of a high plateau the buildings of the separate schools are arranged around a vast oblong 'campus' or 'quad'. On either hand the plateau is cleft by mountain gorges with precipitous and rocky sides. Torrents leap down them as in Scotland or Wales. From the plateau one looks across a broad valley to a green and cultivated hillside that might be in the loveliest part of Gloucestershire, and you know the proverb, 'As sure as God's in Gloucestershire'. But instead of the rushing Severn, one sees at the northern end of the valley the beginning of a wide lake that leads up forty miles away among the hills and is the very place for sailing, rowing, skating, and every adventure. Southwest the wooded hills rise line above line—ancient hills. It was told, showing no vestige of life in their rock, and leading away to the Alleghenies and Appalachians—the very watershed of the Eastern States. Around the lakes were in full bloom, for the slow but certain spring had come at last. Brown-breasted thrushes that early settlers fondly called 'robins' were running over the young grass, and brilliant yellow birds, shaped like willow-wrens but smaller, hopped among the branches of the pines and the trees that are here called elms, though they are not the same elms as ours.

"That university is a kind of Youth's Paradise. Boys and girls live there in perfect freedom, and with every chance of the widest education both in knowledge, practice, and manners."

Doctor Webber Resigns Directorship in California

Doctor H. J. Webber, formerly head of the department of plant breeding at Cornell, and recently director of the California Experiment Station, has resigned to take up commercial work in cotton breeding with the Pedigreed Seed Company of Hartsville, S. C.



"Walker's Place"

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Julia Gleason, instructor in clothing, was married on August 20 to James L. Strahan. Mr. and Mrs. Strahan will reside in Amherst, Mass. Mr. Strahan, formerly in the rural engineering department of this college, now holds a position in the Massachusetts Agricultural College at Amherst.

Professor Claribel Nye attended the annual meeting of the New York State Federation in Utica the week of October 11. She is in charge of the Cornell student clubs thruout the State. These clubs hold membership in the State Federation, thus bringing the viewpoint of the city woman and country women closer together.

POULTRY FOLKS

Professor Kent attended the annual meeting of the American Association of Instructors and Investigators in Poultry Husbandry held at Purdue University, LaFayette, Ind., in August. He was elected president of this association for the coming year.

Professors Rice and Kent attended the convention of the American Poultry Association at Kansas City, Kansas. At this meeting a committee was appointed to draw up a new "standard of perfection", based on both utility and show qualities. Heretofore, the interests of the poultry fancier have been competing with those of the utility men. Men who have been breeding for egg production have felt that the present standard of perfection is based only on feathers. On the other hand, fanciers have felt that utility breeders were working without regard for show qualities. It is expected that the new standard of perfection will mean a unification of formerly conflicting interests.

Professor Kent and Mr. Card attended the annual convention of the International Baby Chick Association, held at Cedar Point, Ohio, in August. Professor Kent addressed the convention on "The Selection of Utility Poultry", and Mr. Card upon the subject, "Factors Affecting the Fertility and Hatchability of Hen's Eggs".

L. E. Card will attend a poultry judging school to be held at the University of Saskatchewan November 15-26. The first week will be devoted to judging exhibition stock and the second to judging for egg production.

All extension men in the department of poultry husbandry are traveling about the State engaged in certification work. They are picking out the choicest birds and are leg-banding them. The purpose of this work is to improve the farmer's stock, to give the people of the State an idea where quality stock is to be bought, and, ultimately, to improve the quality of the birds in the State.

Doctor Warren Attends Farm Bureau Federation Meeting in Chicago

On September 30 and October 1, Doctor G. F. Warren, of the department of farm management, attended the Chicago meeting of the committee on agricultural economics and statistics of the American Farm Bureau Federation. The other members of this committee are: Henry Waller, Des Moines, Iowa; Senator Arthur Capper, Topeka, Kansas; Doctor Jas. N. McBride, Berton, Michigan; Zenophon Caverno, Canalon, Missouri; and Doctor Eugene Davenport, Urbana, Illinois. One of the most important things decided upon was to request the Department of Agriculture to issue monthly statements on the visible domestic and world supplies of livestock.

Plant Pathology Field Laboratories Thru State

The plant pathology department has maintained several field laboratories in different parts of the state, most of which have been run on a fellowship basis.

I. H. Vogel had charge of such a laboratory at Mattituck, Long Island, where he was engaged in studying the diseases of potatoes, seed cabbage, and cauliflower. O. C. Boyd had a laboratory at Bridgehampton where the work was almost entirely with potato diseases, and Carl Fernal was located at Bath, where he also studied potato diseases. O. Gratz was in charge of a truck crop laboratory at Eden, and A. G. Newhall, at Williamson, dealt primarily with truck crops.

At Williamson and Sodus there was a field laboratory in which F. A. Schlatter carried on dusting experiments. R. P. White had a field laboratory at Wilson, where he was engaged principally in studying the diseases of canner's crops, and F. R. Perry was in charge of a laboratory at Batavia, where he investigated potato diseases.

Professor Babcock Back

Professor H. E. Babcock, who resigned on June 1 as state director of farm bureaus, has returned to the College as a member of the department of farm management. He is now professor of marketing and will have charge of investigational work along marketing lines. During the summer, Professor Babcock had charge of the organization of the million dollar co-operative Grange-League Federation Exchange at Syracuse.

The student judging team, which represented Cornell in the dairy cattle judging contest at the National Dairy Show, left for Chicago on October 7. The men who made the trip were picked from a field of fourteen competitors. Those chosen were: James McConnell, Burt Leflingwell, William Hutchings, and M. P. Royce. The team was accompanied by Mr. Allen, instructor and coach.

Last year the departments of farm management and rural economy were combined into a department of agricultural economics and farm management. This year there has been added a professorship in farm finance, which is held by Doctor W. I. Myers.

Also there is an additional professorship in marketing. This position is filled by Professor H. E. Babcock, who has been particularly successful in organizing co-operative marketing associations.

Two instructorships in transportation have been filled by V. B. Hart and H. S. Gabriel.

Professor K. C. Livermore is taking a year's leave of absence to go into farming. This is a serious loss to the department. Those in the department have expressed the hope that his health and finances will be so greatly improved that he will return to his former position. Or, if that will bring him back quicker, they hope that all of his crops will fail.

Doctor C. E. Ladd has been appointed professor in the department and will have charge of all of the extension work.

RURAL EDUCATION

Professor G. A. Works attended the convention of the American Association of Agricultural Colleges and Experiment Stations, held at Springfield, Mass., October 19. Professor Works is a member of the committee of instruction of the association. He is also chairman of the committee that will make a report to the American Association for the Advancement of Agricultural Education. The latter organization is affiliated with the Association of Agricultural Colleges and Experiment Stations.

Professor Butterworth, of the rural education department, spoke at the annual meeting of the district superintendents, held at Plattsburg, October 4, 5, and 6. The subject of his address was, "Some Suggestions Regarding Rural School Organizations".

Professor W. S. Thompson of the department of rural organization has returned from California. While in San Diego he attended a symposium of Orientals and Occidentals of the Pacific Coast area, lasting from August 1 to 13. While there he addressed the conference on "Rural Population: Its Growth in the Past, and Probable Future Growth"; and again on "Cheap Labor, Standards of Living, and Race Prejudice".

Professor Lusk, who has been in the department of rural education for three years, has gone to the agricultural and mechanical college at Starkville, Miss., as head of the department of agricultural education. He is succeeded by Professor T. H. Eaton, who was once a graduate student in the department of animal husbandry in this college, and who for the past four years has been head of the department of agricultural education at Storrs, Conn.

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Professor Dwight Sanderson has been making a study of rural neighborhood in Otsego County this fall, in co-operation with the United States Department of Agriculture.

POMOLOGY

Professor L. H. Daniels has resumed his duties in the pomology department. He has only recently returned from Europe, where he was engaged for nearly a year and a half in the service of the Near-East Relief. His principal work was done in Armenia, where he sold or distributed grain taken from the Turkish warehouses. This relief was mainly carried on in conjunction with the work of the American Red Cross, previously started in Syria and Palestine.

T. O. Sprague, an assistant in the pomology department last year, is now at the Geneva Experimental Station. Mr. Sprague graduated from the California Agricultural College in 1919.

A. N. Pratt is graduate assistant in the pomology department this term. Mr. Pratt, a graduate of the Maryland State College of Agriculture, was engaged last year in marketing work in the pomology department of the North Carolina College of Agriculture, at West Raleigh, N. C.

E. W. Jenkins, assistant last year in the pomology department, has accepted the charge of the horticultural survey at the Pennsylvania State College of Agriculture.

H. A. Phillips, having completed the work for his doctor's degree, now has a position at the Warnersburg Normal School, Illinois. He was an acting instructor in the pomology department here last year.

C. G. Vinson, an instructor in the pomology department last year, has accepted a position doing extension work in the pomology department at the Pennsylvania State College of Agriculture.

Professor H. P. Cooper, formerly of the Massachusetts Agricultural College, is teaching in the farm crops department. Professor Cooper is also completing his work for a Ph.D. degree.

Professor E. W. Benjamin of the department of poultry husbandry attended the annual convention of the National Poultry, Butter, and Egg Association, held at the Hotel Sherman, Chicago, on October 18. He took with him an exhibit of charts showing market statistics for poultry and eggs, and an exhibit showing the proper method for packing eggs for shipment. Alfred Tophan, graduate student, also attended the convention and assisted Professor Benjamin with the exhibits.

DAIRY INDUSTRY

Professor Guthrie is on sabbatical leave for the fall term. He is in Minnesota making an economic study of creamery management in co-operation with the United States Department of Agriculture and the University of Minnesota.

H. C. Jackson '16, an instructor in the department of dairy industry since graduation, has recently received his Ph.D. degree.

M. P. Moon, A.B. '17, has received an M.S. degree while instructing in the department of dairy industry.

Professors Stocking and McInerney attended a conference of the American Dairy Science Association and the National Dairy Show at Chicago, beginning October 8.

Professor McInerney is chairman of the committee on dairy methods and delivered an address on that subject, covering the sterilization of utensils, the cooling of milk, the cleanliness of buildings and surroundings, and the care of cattle.

Assistant M. B. Robinson '19, has left the department of dairy industry. His place has been filled by R. P. Travis '20.

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